# Maria Manuela Abreu

List of Publications by Year
in descending order

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|---|---|---|---|
| 88<br>papers | 1,494<br>citations | 279778<br>23<br>h-index | 395678<br>33<br>g-index |
| 91<br>all docs | 91<br>docs citations | 91<br>times ranked | 1508<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Potential use of Erica andevalensis and Erica australis in phytoremediation of sulphide mine environments: SÃ£o Domingos, Portugal. Journal of Geochemical Exploration, 2008, 96, 210-222. | 3.2 | 96 |
| 2 | Cistus salviifolius a promising species for mine wastes remediation. Journal of Geochemical Exploration, 2012, 113, 86-93. | 3.2 | 63 |
| 3 | Trace elements tolerance, accumulation and translocation in Cistus populifolius, Cistus salviifolius and their hybrid growing in polymetallic contaminated mine areas. Journal of Geochemical Exploration, 2012, 123, 52-60. | 3.2 | 53 |
| 4 | Ordinary kriging and indicator kriging in the cartography of trace elements contamination in SÃ£o Domingos mining site (Alentejo, Portugal). Journal of Geochemical Exploration, 2008, 98, 43-56. | 3.2 | 49 |
| 5 | Metal (Al, Mn, Pb and Zn) soils extractable reagents for available fraction assessment: Comparison using plants, and dry and moist soils from the BraÃ§al abandoned lead mine area, Portugal. Journal of Geochemical Exploration, 2012, 113, 45-55. | 3.2 | 46 |
| 6 | Water erosion aspects of land degradation neutrality to landscape planning tools at national scale. Geoderma, 2020, 363, 114093. | 5.1 | 44 |
| 7 | Trace element distribution in soils developed on gossan mine wastes and Cistus ladanifer L. tolerance and bioaccumulation. Journal of Geochemical Exploration, 2012, 123, 45-51. | 3.2 | 43 |
| 8 | Biogeochemistry in Neves Corvo mining region, Iberian Pyrite Belt, Portugal. Journal of Geochemical Exploration, 2007, 92, 159-176. | 3.2 | 38 |
| 9 | Erica andevalensis and Erica australis growing in the same extreme environments: Phytostabilization potential of mining areas. Geoderma, 2014, 230-231, 194-203. | 5.1 | 38 |
| 10 | Impacts on water, soil and plants from the abandoned Miguel Vacas copper mine, Portugal. Journal of Geochemical Exploration, 2008, 96, 161-170. | 3.2 | 35 |
| 11 | A methodology for creating greenways through multidisciplinary sustainable landscape planning. Journal of Environmental Management, 2010, 91, 970-983. | 7.8 | 34 |
| 12 | Mutielemental concentration and physiological responses of Lavandula pedunculata growing in soils developed on different mine wastes. Environmental Pollution, 2016, 213, 43-52. | 7.5 | 33 |
| 13 | Tomato and parsley growth, arsenic uptake and translocation in a contaminated amended soil. Journal of Geochemical Exploration, 2012, 123, 114-121. | 3.2 | 32 |
| 14 | Trace elements and activity of antioxidative enzymes in Cistus ladanifer L. growing on an abandoned mine area. Ecotoxicology, 2009, 18, 860-868. | 2.4 | 29 |
| 15 | Chemical quality of leachates and enzymatic activities in Technosols with gossan and sulfide wastes from the SÃ£o Domingos mine. Journal of Soils and Sediments, 2016, 16, 1366-1382. | 3.0 | 29 |
| 16 | Transfer of U, Al and Mn in the waterâ€“soilâ€“plant (Solanum tuberosum L.) system near a former uranium mining area (Cunha Baixa, Portugal) and implications to human health. Science of the Total Environment, 2012, 416, 156-163. | 8.0 | 28 |
| 17 | Inter-population variation on the accumulation and translocation of potentially harmful chemical elements in Cistus ladanifer L. from Brancanes, Caveira, ChanÃ§a, Lousal, Neves Corvo and SÃ£o Domingos mines in the Portuguese Iberian Pyrite Belt. Journal of Soils and Sediments, 2014, 14, 758-772. | 3.0 | 28 |
| 18 | Arsenic speciation in soils and Erica andevalensis Cabezudo & Rivera and Erica australis L. from SÃ£o Domingos Mine area, Portugal. Journal of Geochemical Exploration, 2012, 119-120, 51-59. | 3.2 | 27 |

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|---|---|---|---|
| 19 | Uranium in vegetable foodstuffs: should residents near the Cunha Baixa uranium mine site (Central) Tj ETQq1 1 0.784314 rgBT /Overlo | 3.4 | 25 |
| 20 | Effects of organic/inorganic amendments on trace elements dispersion by leachates from sulfide-containing tailings of the SÃ£o Domingos mine, Portugal. Time evaluation. Geoderma, 2014, 226-227, 188-203. | 5.1 | 25 |
| 21 | Cistus ladanifer phytostabilizing soils contaminated with non-essential chemical elements. Ecological Engineering, 2016, 94, 107-116. | 3.6 | 25 |
| 22 | Potential of Tamarix africana and other halophyte species for phytostabilisation of contaminated salt marsh soils. Journal of Soils and Sediments, 2017, 17, 1459-1473. | 3.0 | 24 |
| 23 | Rehabilitation of mining areas through integrated biotechnological approach: Technosols derived from organic/inorganic wastes and autochthonous plant development. Chemosphere, 2019, 224, 765-775. | 8.2 | 24 |
| 24 | Enzymatic Activity of a Mine Soil Varies According to Vegetation Cover and Level of Compost Applied. International Journal of Phytoremediation, 2010, 12, 371-383. | 3.1 | 23 |
| 25 | Improvement of chemical and biological properties of gossan mine wastes following application of amendments and growth of Cistus ladanifer L.. Journal of Geochemical Exploration, 2014, 147, 173-181. | 3.2 | 23 |
| 26 | The land morphology approach to flood risk mapping: An application to Portugal. Journal of Environmental Management, 2017, 193, 172-187. | 7.8 | 23 |
| 27 | Ecotoxicity evaluation of an amended soil contaminated with uranium and radium using sensitive plants. Journal of Geochemical Exploration, 2014, 142, 112-121. | 3.2 | 22 |
| 28 | Effect of soil mineralogy on potassium fixation in soils developed on different parent material. Geoderma, 2019, 343, 226-234. | 5.1 | 22 |
| 29 | Soil to plant ( Solanum tuberosum L.) radionuclide transfer in the vicinity of an old uranium mine. Geochemistry: Exploration, Environment, Analysis, 2009, 9, 275-278. | 0.9 | 21 |
| 30 | Elemental characterization of edible plants and soils in an abandoned mining region: assessment of environmental risk. X-Ray Spectrometry, 2011, 40, 353-363. | 1.4 | 21 |
| 31 | Is nanoremediation an effective tool to reduce the bioavailable As, Pb and Sb contents in mine soils from Iberian Pyrite Belt?. Catena, 2019, 176, 362-371. | 5.0 | 21 |
| 32 | The physiological mechanisms underlying the ability of Cistus monspeliensis L. from SÃ£o Domingos mine to withstand high Zn concentrations in soils. Ecotoxicology and Environmental Safety, 2016, 129, 219-227. | 6.0 | 20 |
| 33 | Mycorrhizal Inoculation Differentially Affects Grapevine's Performance in Copper Contaminated and Non-contaminated Soils. Frontiers in Plant Science, 2018, 9, 1906. | 3.6 | 20 |
| 34 | Uptake of Uranium by Lettuce (Lactuca sativa L.) in Natural Uranium Contaminated Soils in Order to Assess Chemical Risk for Consumers. Water, Air, and Soil Pollution, 2008, 195, 73-84. | 2.4 | 18 |
| 35 | Evaluation of trace elements mobility from soils to sediments between the Iberian Pyrite Belt and the Atlantic Ocean. Journal of Geochemical Exploration, 2012, 123, 61-68. | 3.2 | 18 |
| 36 | Are uranium-contaminated soil and irrigation water a risk for human vegetables consumers? A study case with Solanum tuberosum L., Phaseolus vulgaris L. and Lactuca sativa L.. Ecotoxicology, 2009, 18, 1130-1136. | 2.4 | 17 |

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| 37 | Evaluation of chemical parameters and ecotoxicity of a soil developed on gossan following application of polyacrylates and growth of Spergularia purpurea. Science of the Total Environment, 2013, 461-462, 360-370. | 8.0 | 16 |
| 38 | Sources, background and enrichment of lead and other elements: Lower Guadiana River. Geoderma, 2013, 193-194, 265-274. | 5.1 | 16 |
| 39 | Effect of liming and cadmium application in an acid soil on cadmium availability to sudangrass. Communications in Soil Science and Plant Analysis, 1999, 30, 1051-1062. | 1.4 | 15 |
| 40 | The land morphology concept and mapping method and its application to mainland Portugal. Geoderma, 2018, 325, 72-89. | 5.1 | 15 |
| 41 | A review of hazardous elements tolerance in a metallophyte model species: Erica andevalensis. Geoderma, 2018, 319, 43-51. | 5.1 | 15 |
| 42 | Accumulation of Mn and Fe in aromatic plant species from the abandoned Rosalgar Mine and their potential risk to human health. Applied Geochemistry, 2019, 104, 42-50. | 3.0 | 15 |
| 43 | Cistus monspeliensis L. as a potential species for rehabilitation of soils with multielemental contamination under Mediterranean conditions. Environmental Science and Pollution Research, 2018, 25, 6443-6455. | 5.3 | 14 |
| 44 | Risk assessment of Arbutus unedo L. fruits from plants growing on contaminated soils in the Panasqueira mine area, Portugal. Journal of Soils and Sediments, 2014, 14, 744-757. | 3.0 | 12 |
| 45 | Planning Landscape with Water Infiltration. Empirical Model to Assess Maximum Infiltration Areas in Mediterranean Landscapes. Water Resources Management, 2016, 30, 2343-2360. | 3.9 | 12 |
| 46 | Yield and uranium concentration in two lettuce (Lactuca sativa L.) varieties influenced by soil and irrigation water composition, and season growth. Journal of Geochemical Exploration, 2014, 142, 43-48. | 3.2 | 11 |
| 47 | Pioneer Mediterranean Shrub Species Revegetating Soils Developed on Mining Soils/Spoils. Land Degradation and Development, 2017, 28, 718-730. | 3.9 | 11 |
| 48 | Soilâ€“plant system and potential human health risk of Chinese cabbage and oregano growing in soils from Mn- and Fe-abandoned mines: microcosm assay. Environmental Geochemistry and Health, 2020, 42, 4073-4086. | 3.4 | 11 |
| 49 | Soil Pollution and Reclamation. Journal of Geochemical Exploration, 2014, 147, 77-79. | 3.2 | 10 |
| 50 | Application of chromium to soils at different rates and oxidation states. I. Effect on dry matter yield and chromium uptake by radish. Communications in Soil Science and Plant Analysis, 2002, 33, 2259-2268. | 1.4 | 9 |
| 51 | Identification of materials related to acid mine drainage using multi-source spectra at S. Domingos Mine, southeast Portugal. International Journal of Remote Sensing, 2013, 34, 1928-1948. | 2.9 | 9 |
| 52 | Bioextracts of Cistus ladanifer L. growing in SÃ£o Domingos mine as source of valuable compounds. Journal of Geochemical Exploration, 2017, 174, 84-90. | 3.2 | 9 |
| 53 | Physiological response of Cistus salviifolius L. to high arsenic concentrations. Environmental Geochemistry and Health, 2020, 42, 2305-2319. | 3.4 | 9 |
| 54 | Harnessing sediments of coastal aquaculture ponds through technosols construction for halophyte cultivation using saline water irrigation. Journal of Environmental Management, 2020, 261, 109907. | 7.8 | 9 |

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| 55 | Remediation of Potentially Toxic Elements in Contaminated Soils. , 2014, , 253-308. | | 9 |
| 56 | Potential environmental impact of technosols composed of gossan and sulfide-rich wastes from SÃ£o Domingos mine: assay of simulated leaching. Journal of Soils and Sediments, 2017, 17, 1369-1383. | 3.0 | 8 |
| 57 | Chemical characterization of vines grown in incipient volcanic soils of Fogo Island (Cape Verde). Environmental Monitoring and Assessment, 2019, 191, 128. | 2.7 | 8 |
| 58 | Oriented overgrowth of acicular maghemite crystals on quartz. Clay Minerals, 1988, 23, 357-365. | 0.6 | 7 |
| 59 | The protection of landscape as a resource. Management of Environmental Quality, 2004, 15, 48-54. | 4.3 | 7 |
| 60 | Assessment of pollution risk ascribed to Santa Margarida Military Camp activities (Portugal). Environmental Geology, 2009, 56, 1227-1235. | 1.2 | 7 |
| 61 | Phytoremediation of polluted soils. Journal of Geochemical Exploration, 2012, 123, 1-2. | 3.2 | 6 |
| 62 | Mapping headwater systems using a HS-GIS model. An application to landscape structure and land use planning in Portugal. Land Use Policy, 2018, 71, 543-553. | 5.6 | 6 |
| 63 | Unraveling the crucial role of the ascorbate-glutathione cycle in the resilience of Cistus monspeliensis L. to withstand high As concentrations. Ecotoxicology and Environmental Safety, 2019, 171, 389-397. | 6.0 | 6 |
| 64 | Potential Hazardous Elements Fluxes from Soil to Plants and the Food Chain. , 2014, , 309-337. | | 6 |
| 65 | Use of combined tools for effectiveness evaluation of tailings rehabilitated with designed Technosol. Environmental Geochemistry and Health, 2022, 44, 1857-1873. | 3.4 | 6 |
| 66 | Characterization of maghemite in B horizons of three soils from Southern Portugal. Geoderma, 1985, 36, 97-108. | 5.1 | 5 |
| 67 | Application of chromium to soils at different rates and oxidation states. II. Influence on uptake of selected nutrients by radish. Communications in Soil Science and Plant Analysis, 2002, 33, 2269-2277. | 1.4 | 5 |
| 68 | An Experimental Study of the Diesel Biodegradation Effects on Soil Biogeophysical Parameters. Water, Air, and Soil Pollution, 2010, 206, 139-154. | 2.4 | 5 |
| 69 | Strategies in a metallophyte species to cope with manganese excess. Environmental Geochemistry and Health, 2021, 43, 1523-1535. | 3.4 | 5 |
| 70 | Conservation of a Critically Endangered Endemic Halophyte of West Portugal: A Microcosm Assay to Assess the Potential of Soil Technology for Species Reintroduction. Frontiers in Ecology and Evolution, 2021, 9, . | 2.2 | 5 |
| 71 | Monitoring of biophysicochemical changes in a silty clay soil contaminated with LNAPLs. Geoderma, 2013, 197-198, 108-116. | 5.1 | 4 |
| 72 | Long-term TNT and DNT contamination: 1-D modeling of natural attenuation in the vadose zone: case study, Portugal. Environmental Earth Sciences, 2016, 75, 1. | 2.7 | 4 |

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| 73 | Hazard Assessment of Soils and Spoils From the Portuguese Iberian Pyrite Belt Mining Areas and Their Potential Reclamation. , 2017, , 63-88. | | 4 |
| 74 | The Potential of Cistus salviifolius L. to Phytostabilize Gossan Mine Wastes Amended with Ash and Organic Residues. Plants, 2022, 11, 588. | 3.5 | 4 |
| 75 | A two-way approach for the definition of anthropogenic and natural copper anomalies at a massive sulphide mine. The case of the Neves Corvo mine in Iberian Pyrite Belt, Portugal. Journal of Geochemical Exploration, 2012, 113, 13-22. | 3.2 | 3 |
| 76 | Preface special issue CATENA: Reclamation of mining site soils, part II. Catena, 2017, 148, 1-2. | 5.0 | 3 |
| 77 | Influence of Seed Source and Soil Contamination on Ecophysiological Responses of Lavandula pedunculata in Rehabilitation of Mining Areas. Plants, 2022, 11, 105. | 3.5 | 3 |
| 78 | Reclamation of mining site soils. Journal of Geochemical Exploration, 2012, 113, 1-2. | 3.2 | 2 |
| 79 | Radioactive chemical species in soils: Pollution and remediation. Journal of Geochemical Exploration, 2014, 142, 1-3. | 3.2 | 2 |
| 80 | Interaction of contaminated sediment from a salt marsh with estuarine water: evaluation by leaching and ecotoxicity assays and salts from leachate evaporation. Journal of Soils and Sediments, 2016, 16, 1612-1624. | 3.0 | 2 |
| 81 | Detrimental effects of copper and EDTA co-application on grapevine root growth and nutrient balance. Rhizosphere, 2021, 19, 100392. | 3.0 | 2 |
| 82 | The caliche of Odivelas-Serpa area of Alentejo (Portugal): An approach to their palaeoenvironmental interpretation. Chemical Geology, 1990, 84, 176-178. | 3.3 | 1 |
| 83 | The mineralogy and chemistry of a hydrothermal veinlet intruded into a gabbroic rock alteration profile (Serpa, Portugal). Chemical Geology, 1990, 84, 246-248. | 3.3 | 1 |
| 84 | Assessment and Reclamation of Soils From Uranium Mining Areas: Case Studies From Portugal. , 2017, , 203-234. | | 1 |
| 85 | The origin of the Pedra Furada sandstone tubular structures (South of Lisbon, Portugal). Geomorphology, 2006, 82, 245-254. | 2.6 | 0 |
| 86 | Agriculture in an Area Impacted by Past Uranium Mining Activities. , 2007, , . | | 0 |
| 87 | Potentially harmful elements in soils. Journal of Geochemical Exploration, 2014, 144, 217-219. | 3.2 | 0 |
| 88 | The use of industrial and food crops for the rehabilitation of areas contaminated with metal(loid)s: Physiological and molecular mechanisms of tolerance. , 2021, , 9-21. | | 0 |