

# Carla S S Ferreira

## List of Publications by Year in descending order

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Version: 2024-02-01

79  
papers

2,295  
citations

249298

26  
h-index

274796

44  
g-index

92  
all docs

92  
docs citations

92  
times ranked

2544  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Evidence of non-site-specific agricultural management effects on the score of visual soil quality indicators. <i>Soil Use and Management</i> , 2023, 39, 474-484.  | 2.6 | 5         |
| 2  | Sorption of benzo[a]pyrene by Chernozem and carbonaceous sorbents: comparison of kinetics and interaction mechanisms. <i>Environmental Geochemistry and Health</i> , 2022, 44, 133-148.  | 1.8 | 7         |
| 3  | Sustainable futures over the next decade are rooted in soil science. <i>European Journal of Soil Science</i> , 2022, 73, .   | 1.8 | 19        |
| 4  | Links between food trade, climate change and food security in developed countries: A case study of Sweden. <i>Ambio</i> , 2022, 51, 943-954.   | 2.8 | 13        |
| 5  | Soil degradation in the European Mediterranean region: Processes, status and consequences. <i>Science of the Total Environment</i> , 2022, 805, 150106.  | 3.9 | 168       |
| 6  | Reducing plant community variability and improving resilience for sustainable restoration of temperate grassland. <i>Environmental Research</i> , 2022, 207, 112149.   | 3.7 | 11        |
| 7  | Temporal changes on soil conservation services in large basins across the world. <i>Catena</i> , 2022, 209, 105793.  | 2.2 | 10        |
| 8  | Flood legislation and land policy framework of EU and non-EU countries in Southern Europe. <i>Wiley Interdisciplinary Reviews: Water</i> , 2022, 9, e15596.  | 2.8 | 6         |
| 9  | Urban green spaces accessibility in two European cities: Vilnius (Lithuania) and Coimbra (Portugal). <i>Geography and Sustainability</i> , 2022, 3, 74-84.   | 1.9 | 10        |
| 10 | An Overview of Sustainability Assessment Frameworks in Agriculture. <i>Land</i> , 2022, 11, 537.   | 1.2 | 14        |
| 11 | Identifying barriers for nature-based solutions in flood risk management: An interdisciplinary overview using expert community approach. <i>Journal of Environmental Management</i> , 2022, 310, 114725.                         | 3.8 | 41        |
| 12 | Ecosystem services and well-being dimensions related to urban green spaces – A systematic review. <i>Sustainable Cities and Society</i> , 2022, 85, 104072.  | 5.1 | 40        |
| 13 | Liveable cities: Current environmental challenges and paths to urban sustainability. <i>Journal of Environmental Management</i> , 2021, 277, 111458.   | 3.8 | 12        |
| 14 | Understanding the role of policy frameworks in developing land degradation in stakeholders perception from a post-conflict perspective in Bosnia and Herzegovina. <i>Land Degradation and Development</i> , 2021, 32, 3393-3402. | 1.8 | 2         |
| 15 | Soil Health in Urban Protected Areas and Pathways for Sustainable Development. , 2021, , 576-584.  |     | 0         |
| 16 | Rainfall-runoff-erosion processes in urban areas. , 2021, , 481-498.   |     | 2         |
| 17 | Promising Agricultural Management Practices and Soil Threats in Europe and China. <i>Innovations in Landscape Research</i> , 2021, , 195-213.  | 0.2 | 0         |
| 18 | Long-term fire effects on vegetation and topsoil properties in beech forests of Manjaca Mountain (western Bosnia and Herzegovina). <i>International Journal of Wildland Fire</i> , 2021, 30, 269.                                | 1.0 | 6         |

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|----|---|-----|-----------|
| 19 | Hydrological Processes in Eucalypt and Pine Forested Headwater Catchments within Mediterranean Region. <i>Water (Switzerland)</i> , 2021, 13, 1418.   | 1.2 | 2         |
| 20 | Spatio-Temporal Assessment of Global Gridded Evapotranspiration Datasets across Iran. <i>Remote Sensing</i> , 2021, 13, 1816.   | 1.8 | 20        |
| 21 | Arctic wetland system dynamics under climate warming. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021, 8, e1526.   | 2.8 | 19        |
| 22 | Reading Urban Green Morphology to Enhance Urban Resilience: A Case Study of Six Southern European Cities. <i>Sustainability</i> , 2021, 13, 9163.   | 1.6 | 5         |
| 23 | Manuring effects on visual soil quality indicators and soil organic matter content in different pedoclimatic zones in Europe and China. <i>Soil and Tillage Research</i> , 2021, 212, 105033. | 2.6 | 8         |
| 24 | Application of the Adaptive Cycle and Panarchy in La Marjalera Social-Ecological System: Reflections for Operability. <i>Land</i> , 2021, 10, 980.  | 1.2 | 2         |
| 25 | Flood Mitigation in Mediterranean Coastal Regions: Problems, Solutions, and Stakeholder Involvement. <i>Sustainability</i> , 2021, 13, 10474.   | 1.6 | 16        |
| 26 | Urban flood modeling using deep-learning approaches in Seoul, South Korea. <i>Journal of Hydrology</i> , 2021, 601, 126684.   | 2.3 | 65        |
| 27 | Environmental and socioeconomic factors influencing the use of urban green spaces in Coimbra (Portugal). <i>Science of the Total Environment</i> , 2021, 792, 148293.                         | 3.9 | 39        |
| 28 | Agro-ecological services delivered by legume cover crops grown in succession with grain corn crops in the Mediterranean region. <i>Open Agriculture</i> , 2021, 6, 609-626.                   | 0.7 | 6         |
| 29 | Nature-Based Solutions for Flood Mitigation and Resilience in Urban Areas. <i>Handbook of Environmental Chemistry</i> , 2021, , 59-78.  | 0.2 | 8         |
| 30 | Using Landscape Connectivity to Identify Suitable Locations for Nature-Based Solutions to Reduce Flood Risk. <i>Handbook of Environmental Chemistry</i> , 2021, , 339-354.                    | 0.2 | 2         |
| 31 | Assessment of NBS Impact on Pluvial Flood Regulation Within Urban Areas: A Case Study in Coimbra, Portugal. <i>Handbook of Environmental Chemistry</i> , 2021, , .                            | 0.2 | 2         |
| 32 | Long-Term Urbanization Dynamics and the Evolution of Green/Blue Areas in Eastern Europe: Insights from Romania. <i>Sustainability</i> , 2021, 13, 14068.                                      | 1.6 | 6         |
| 33 | Nature-based solutions for meeting environmental and socioeconomic challenges in land management and development. <i>Land Degradation and Development</i> , 2020, 31, 1867-1870.              | 1.8 | 16        |
| 34 | Understanding interactions between urban development policies and GHG emissions: A case study in Stockholm-Region. <i>Ambio</i> , 2020, 49, 1313-1327.  | 2.8 | 57        |
| 35 | Assessment of the Impact of Distinct Vineyard Management Practices on Soil Physico-Chemical Properties. <i>Air, Soil and Water Research</i> , 2020, 13, 117862212094484.                      | 1.2 | 15        |
| 36 | Development of novel hybridized models for urban flood susceptibility mapping. <i>Scientific Reports</i> , 2020, 10, 12937.   | 1.6 | 68        |

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|----|--|-----|-----------|
| 37 | Short-Term Impact of Tillage on Soil and the Hydrological Response within a Fig ( <i>Ficus Carica</i> ) Orchard in Croatia. <i>Water (Switzerland)</i> , 2020, 12, 3295.   | 1.2 | 15        |
| 38 | Inventory and Connectivity Assessment of Wetlands in Northern Landscapes with a Depression-Based DEM Method. <i>Water (Switzerland)</i> , 2020, 12, 3355.  | 1.2 | 4         |
| 39 | Effectiveness of Nature-Based Solutions in Mitigating Flood Hazard in a Mediterranean Peri-Urban Catchment. <i>Water (Switzerland)</i> , 2020, 12, 2893.   | 1.2 | 25        |
| 40 | Visual assessment of the impact of agricultural management practices on soil quality. <i>Agronomy Journal</i> , 2020, 112, 2608-2623.  | 0.9 | 19        |
| 41 | Impact of Land-Use Changes on Spatiotemporal Suspended Sediment Dynamics within a Peri-Urban Catchment. <i>Water (Switzerland)</i> , 2020, 12, 665.  | 1.2 | 15        |
| 42 | Relationship of Weather Types on the Seasonal and Spatial Variability of Rainfall, Runoff, and Sediment Yield in the Western Mediterranean Basin. <i>Atmosphere</i> , 2020, 11, 609.   | 1.0 | 13        |
| 43 | Open-source planning support system for sustainable regional planning: A case study of Stockholm County, Sweden. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2020, 47, 1508-1523.  | 1.0 | 13        |
| 44 | Keep it real: selecting realistic sets of urban green space indicators. <i>Environmental Research Letters</i> , 2020, 15, 095001.  | 2.2 | 18        |
| 45 | Effects of A Personalized Intervention Program on the Biochemical and Hematological Profile in Community Dwelling Old Adults – The AGA@4life Intervention Model. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 718. | 1.2 | 4         |
| 46 | Impacts of distinct spatial arrangements of impervious surfaces on runoff and sediment fluxes from laboratory experiments. <i>Anthropocene</i> , 2019, 28, 100219.   | 1.6 | 12        |
| 47 | Assessing flood probability for transportation infrastructure based on catchment characteristics, sediment connectivity and remotely sensed soil moisture. <i>Science of the Total Environment</i> , 2019, 661, 393-406.                                   | 3.9 | 76        |
| 48 | Assessing long-term changes in potential ecosystem services of a peri-urbanizing Mediterranean catchment. <i>Science of the Total Environment</i> , 2019, 660, 993-1003.   | 3.9 | 28        |
| 49 | Meeting sustainable development challenges in growing cities: Coupled social-ecological systems modeling of land use and water changes. <i>Journal of Environmental Management</i> , 2019, 245, 471-480.   | 3.8 | 61        |
| 50 | Spatial variability of the relationships of runoff and sediment yield with weather types throughout the Mediterranean basin. <i>Journal of Hydrology</i> , 2019, 571, 390-405.   | 2.3 | 49        |
| 51 | Impact of Pavement Distribution on Hillslope Runoff in Peri-Urban Landscapes, Based on Laboratorial Experiments. <i>Proceedings (mdpi)</i> , 2019, 30, .   | 0.2 | 0         |
| 52 | Urban Areas. <i>Advances in Chemical Pollution, Environmental Management and Protection</i> , 2019, 4, 207-249.  | 0.3 | 7         |
| 53 | Assessment of Potential Supply of Ecosystem Services in Coimbra Municipality. <i>Proceedings (mdpi)</i> , 2019, 30, .  | 0.2 | 0         |
| 54 | Assessment of promising agricultural management practices. <i>Science of the Total Environment</i> , 2019, 649, 610-619.   | 3.9 | 38        |

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|----|--|-----|-----------|
| 55 | Commentary: The Blauzone Rheintal Approach from a Natural Hazard Perspective – Challenges to Establish Effective Flood Defence Management Programs. , 2019, , 161-167.   |     | 1         |
| 56 | Degradation in urban areas. <i>Current Opinion in Environmental Science and Health</i> , 2018, 5, 19-25.   | 2.1 | 68        |
| 57 | Runoff, sediment and nutrient exports from a Mediterranean vineyard under integrated production: An experiment at plot scale. <i>Agriculture, Ecosystems and Environment</i> , 2018, 256, 184-193.             | 2.5 | 64        |
| 58 | Effect of Peri-urban Development and Lithology on Streamflow in a Mediterranean Catchment. <i>Land Degradation and Development</i> , 2018, 29, 1141-1153.  | 1.8 | 19        |
| 59 | Effects of agricultural management practices on soil quality: A review of long-term experiments for Europe and China. <i>Agriculture, Ecosystems and Environment</i> , 2018, 265, 1-7.                         | 2.5 | 236       |
| 60 | Nature-based solutions for flood-drought risk mitigation in vulnerable urbanizing parts of East-Africa. <i>Current Opinion in Environmental Science and Health</i> , 2018, 5, 73-78.                           | 2.1 | 91        |
| 61 | Urban agriculture, a tool towards more resilient urban communities?. <i>Current Opinion in Environmental Science and Health</i> , 2018, 5, 93-97.  | 2.1 | 92        |
| 62 | Human impacts on soil. <i>Science of the Total Environment</i> , 2018, 644, 830-834.   | 3.9 | 24        |
| 63 | Urbanization Development under Climate Change: Hydrological Responses in a Peri-urban Mediterranean Catchment. <i>Land Degradation and Development</i> , 2017, 28, 2207-2221.                                  | 1.8 | 59        |
| 64 | Hydrological Signatures Based on Event Runoff Coefficients in Rural Catchments of the Iberian Peninsula. <i>Soil Science</i> , 2017, 182, 159-171.   | 0.9 | 8         |
| 65 | Temporal Dynamics of Sediment Sources in an Urbanizing Mediterranean Catchment. <i>Land Degradation and Development</i> , 2017, 28, 2354-2369.   | 1.8 | 17        |
| 66 | Roads as sources of heavy metals in urban areas. The Covães catchment experiment, Coimbra, Portugal. <i>Journal of Soils and Sediments</i> , 2016, 16, 2622-2639.  | 1.5 | 36        |
| 67 | Dynamics of surface water quality driven by distinct urbanization patterns and storms in a Portuguese peri-urban catchment. <i>Journal of Soils and Sediments</i> , 2016, 16, 2606-2621.                       | 1.5 | 29        |
| 68 | Differences in overland flow, hydrophobicity and soil moisture dynamics between Mediterranean woodland types in a peri-urban catchment in Portugal. <i>Journal of Hydrology</i> , 2016, 533, 473-485.          | 2.3 | 36        |
| 69 | Impact of urban development on streamflow regime of a Portuguese peri-urban Mediterranean catchment. <i>Journal of Soils and Sediments</i> , 2016, 16, 2580-2593.  | 1.5 | 25        |
| 70 | Water repellency of air-dried and sieved samples from limestone soils in central Portugal collected before and after prescribed fire. <i>Plant and Soil</i> , 2015, 394, 199-214.                              | 1.8 | 25        |
| 71 | Spatiotemporal variability of hydrologic soil properties and the implications for overland flow and land management in a peri-urban Mediterranean catchment. <i>Journal of Hydrology</i> , 2015, 525, 249-263. | 2.3 | 53        |
| 72 | Impacts of prescribed fire on soil loss and soil quality: An assessment based on an experimentally-burned catchment in central Portugal. <i>Catena</i> , 2015, 128, 278-293.                                   | 2.2 | 67        |

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|----|---|-----|-----------|
| 73 | Strategies to prevent forest fires and techniques to reverse degradation processes in burned areas. Catena, 2015, 128, 224-237.                         | 2.2 | 42        |
| 74 | Soil surface changes increase runoff and erosion risk after a low to moderate severity fire. Geoderma, 2015, 239-240, 58-67.                            | 2.3 | 44        |
| 75 | COMPARATIVE ANALYSIS OF POLICIES TO DEAL WITH WILDFIRE RISK. Land Degradation and Development, 2014, 25, 92-103.  | 1.8 | 43        |
| 76 | Improving Urban Ecosystems Resilience at a City Level the Coimbra Case Study. Energy Procedia, 2013, 40, 6-14.  | 1.8 | 17        |
| 77 | Rainfall-runoff-erosion relationships study for different land uses, in a sub-urban area. Zeitschrift für Geomorphologie, 2012, 56, 5-20.               | 0.3 | 23        |
| 78 | Mitigating land degradation caused by wildfire: Application of the PESERA model to fire-affected sites in central Portugal. Geoderma, 2012, 191, 40-50. | 2.3 | 55        |
| 79 | Determination of Soluble/Exchangeable Metals in Peri-urban Farmland (Ribeira dos Covões) of Central Portugal. , 0, , .                                  |     | 0         |