

# 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

218677

26  
h-index

243625

44  
g-index

92  
all docs

92  
docs citations

92  
times ranked

2298  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.3	236
2	Soil degradation in the European Mediterranean region: Processes, status and consequences. <i>Science of the Total Environment</i> , 2022, 805, 150106.	8.0	168
3	Urban agriculture, a tool towards more resilient urban communities?. <i>Current Opinion in Environmental Science and Health</i> , 2018, 5, 93-97.	4.1	92
4	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.	4.1	91
5	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.	8.0	76
6	Degradation in urban areas. <i>Current Opinion in Environmental Science and Health</i> , 2018, 5, 19-25.	4.1	68
7	Development of novel hybridized models for urban flood susceptibility mapping. <i>Scientific Reports</i> , 2020, 10, 12937.	3.3	68
8	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.	5.0	67
9	Urban flood modeling using deep-learning approaches in Seoul, South Korea. <i>Journal of Hydrology</i> , 2021, 601, 126684.	5.4	65
10	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.	5.3	64
11	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.	7.8	61
12	Urbanization Development under Climate Change: Hydrological Responses in a Peri-urban Mediterranean Catchment. <i>Land Degradation and Development</i> , 2017, 28, 2207-2221.	3.9	59
13	Understanding interactions between urban development policies and GHG emissions: A case study in Stockholm Region. <i>Ambio</i> , 2020, 49, 1313-1327.	5.5	57
14	Mitigating land degradation caused by wildfire: Application of the PESERA model to fire-affected sites in central Portugal. <i>Geoderma</i> , 2012, 191, 40-50.	5.1	55
15	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.	5.4	53
16	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.	5.4	49
17	Soil surface changes increase runoff and erosion risk after a low to moderate severity fire. <i>Geoderma</i> , 2015, 239-240, 58-67.	5.1	44
18	COMPARATIVE ANALYSIS OF POLICIES TO DEAL WITH WILDFIRE RISK. <i>Land Degradation and Development</i> , 2014, 25, 92-103.	3.9	43

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19	Strategies to prevent forest fires and techniques to reverse degradation processes in burned areas. <i>Catena</i> , 2015, 128, 224-237.	5.0	42
20	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.	7.8	41
21	Ecosystem services and well-being dimensions related to urban green spaces – A systematic review. <i>Sustainable Cities and Society</i> , 2022, 85, 104072.	10.4	40
22	Environmental and socioeconomic factors influencing the use of urban green spaces in Coimbra (Portugal). <i>Science of the Total Environment</i> , 2021, 792, 148293.	8.0	39
23	Assessment of promising agricultural management practices. <i>Science of the Total Environment</i> , 2019, 649, 610-619.	8.0	38
24	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.	3.0	36
25	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.	5.4	36
26	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.	3.0	29
27	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.	8.0	28
28	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.	3.7	25
29	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.	3.0	25
30	Effectiveness of Nature-Based Solutions in Mitigating Flood Hazard in a Mediterranean Peri-Urban Catchment. <i>Water (Switzerland)</i> , 2020, 12, 2893.	2.7	25
31	Human impacts on soil. <i>Science of the Total Environment</i> , 2018, 644, 830-834.	8.0	24
32	Rainfall-runoff-erosion relationships study for different land uses, in a sub-urban area. <i>Zeitschrift für Geomorphologie</i> , 2012, 56, 5-20.	0.8	23
33	Spatio-Temporal Assessment of Global Gridded Evapotranspiration Datasets across Iran. <i>Remote Sensing</i> , 2021, 13, 1816.	4.0	20
34	Effect of Peri-Urban Development and Lithology on Streamflow in a Mediterranean Catchment. <i>Land Degradation and Development</i> , 2018, 29, 1141-1153.	3.9	19
35	Visual assessment of the impact of agricultural management practices on soil quality. <i>Agronomy Journal</i> , 2020, 112, 2608-2623.	1.8	19
36	Arctic wetland system dynamics under climate warming. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021, 8, e1526.	6.5	19

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37	Sustainable futures over the next decade are rooted in soil science. <i>European Journal of Soil Science</i> , 2022, 73, .	3.9	19
38	Keep it real: selecting realistic sets of urban green space indicators. <i>Environmental Research Letters</i> , 2020, 15, 095001.	5.2	18
39	Improving Urban Ecosystems Resilience at a City Level the Coimbra Case Study. <i>Energy Procedia</i> , 2013, 40, 6-14.	1.8	17
40	Temporal Dynamics of Sediment Sources in an Urbanizing Mediterranean Catchment. <i>Land Degradation and Development</i> , 2017, 28, 2354-2369.	3.9	17
41	Nature-based solutions for meeting environmental and socio-economic challenges in land management and development. <i>Land Degradation and Development</i> , 2020, 31, 1867-1870.	3.9	16
42	Flood Mitigation in Mediterranean Coastal Regions: Problems, Solutions, and Stakeholder Involvement. <i>Sustainability</i> , 2021, 13, 10474.	3.2	16
43	Assessment of the Impact of Distinct Vineyard Management Practices on Soil Physico-Chemical Properties. <i>Air, Soil and Water Research</i> , 2020, 13, 117862212094484.	2.5	15
44	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.	2.7	15
45	Impact of Land-Use Changes on Spatiotemporal Suspended Sediment Dynamics within a Peri-Urban Catchment. <i>Water (Switzerland)</i> , 2020, 12, 665.	2.7	15
46	An Overview of Sustainability Assessment Frameworks in Agriculture. <i>Land</i> , 2022, 11, 537.	2.9	14
47	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.	2.3	13
48	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.	2.0	13
49	Links between food trade, climate change and food security in developed countries: A case study of Sweden. <i>Ambio</i> , 2022, 51, 943-954.	5.5	13
50	Impacts of distinct spatial arrangements of impervious surfaces on runoff and sediment fluxes from laboratory experiments. <i>Anthropocene</i> , 2019, 28, 100219.	3.3	12
51	Liveable cities: Current environmental challenges and paths to urban sustainability. <i>Journal of Environmental Management</i> , 2021, 277, 111458.	7.8	12
52	Reducing plant community variability and improving resilience for sustainable restoration of temperate grassland. <i>Environmental Research</i> , 2022, 207, 112149.	7.5	11
53	Temporal changes on soil conservation services in large basins across the world. <i>Catena</i> , 2022, 209, 105793.	5.0	10
54	Urban green spaces accessibility in two European cities: Vilnius (Lithuania) and Coimbra (Portugal). <i>Geography and Sustainability</i> , 2022, 3, 74-84.	4.3	10

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55	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
56	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.	5.6	8
57	Nature-Based Solutions for Flood Mitigation and Resilience in Urban Areas. <i>Handbook of Environmental Chemistry</i> , 2021, , 59-78.	0.4	8
58	Urban Areas. <i>Advances in Chemical Pollution, Environmental Management and Protection</i> , 2019, 4, 207-249.	0.5	7
59	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.	3.4	7
60	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.	2.4	6
61	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.	1.7	6
62	Flood legislation and land policy framework of EU and non-EU countries in Southern Europe. <i>Wiley Interdisciplinary Reviews: Water</i> , 2022, 9, e15596.	6.5	6
63	Long-Term Urbanization Dynamics and the Evolution of Green/Blue Areas in Eastern Europe: Insights from Romania. <i>Sustainability</i> , 2021, 13, 14068.	3.2	6
64	Reading Urban Green Morphology to Enhance Urban Resilience: A Case Study of Six Southern European Cities. <i>Sustainability</i> , 2021, 13, 9163.	3.2	5
65	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.	4.9	5
66	Inventory and Connectivity Assessment of Wetlands in Northern Landscapes with a Depression-Based DEM Method. <i>Water (Switzerland)</i> , 2020, 12, 3355.	2.7	4
67	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.	2.6	4
68	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.	3.9	2
69	Rainfall-runoff-erosion processes in urban areas. , 2021, , 481-498.		2
70	Hydrological Processes in Eucalypt and Pine Forested Headwater Catchments within Mediterranean Region. <i>Water (Switzerland)</i> , 2021, 13, 1418.	2.7	2
71	Application of the Adaptive Cycle and Panarchy in La Marjalera Social-Ecological System: Reflections for Operability. <i>Land</i> , 2021, 10, 980.	2.9	2
72	Using Landscape Connectivity to Identify Suitable Locations for Nature-Based Solutions to Reduce Flood Risk. <i>Handbook of Environmental Chemistry</i> , 2021, , 339-354.	0.4	2

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73	Assessment of NBS Impact on Pluvial Flood Regulation Within Urban Areas: A Case Study in Coimbra, Portugal. Handbook of Environmental Chemistry, 2021, , .	0.4	2
74	Commentary: The Blauzone Rheintal Approach from a Natural Hazard Perspectiveâ€”Challenges to Establish Effective Flood Defence Management Programs. , 2019, , 161-167.		1
75	Impact of Pavement Distribution in Hillslope Runoff in Peri-Urban Landscapes, Based in Laboratorial Experiments. Proceedings (mdpi), 2019, 30, .	0.2	0
76	Assessment of Potential Supply of Ecosystem Services in Coimbra Municipality. Proceedings (mdpi), 2019, 30, .	0.2	0
77	Soil Health in Urban Protected Areas and Pathways for Sustainable Development. , 2021, , 576-584.		0
78	Promising Agricultural Management Practices and Soil Threats in Europe and China. Innovations in Landscape Research, 2021, , 195-213.	0.4	0
79	Determination of Soluble/Exchangeable Metals in Peri-urban Farmland (Ribeira dos CovÃµes) of Central Portugal. , 0, , .		0