

# MarÃ-a-Luz RodrÃ-guez-Blanco

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

828  
citations

471509

17  
h-index

526287

27  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1015  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rainfall runoff response and event-based runoff coefficients in a humid area (northwest Spain). <i>Hydrological Sciences Journal</i> , 2012, 57, 445-459.	2.6	71
2	Metal fractionation in topsoils and bed sediments in the Mero River rural basin: Bioavailability and relationship with soil and sediment properties. <i>Catena</i> , 2016, 144, 34-44.	5.0	65
3	Factors controlling hydro-sedimentary response during runoff events in a rural catchment in the humid Spanish zone. <i>Catena</i> , 2010, 82, 206-217.	5.0	49
4	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
5	Phosphorus transport into a stream draining from a mixed land use catchment in Galicia (NW Spain): Significance of runoff events. <i>Journal of Hydrology</i> , 2013, 481, 12-21.	5.4	44
6	Linking the field to the stream: Soil erosion and sediment yield in a rural catchment, NW Spain. <i>Catena</i> , 2013, 102, 74-81.	5.0	40
7	Temporal changes in suspended sediment transport in an Atlantic catchment, NW Spain. <i>Geomorphology</i> , 2010, 123, 181-188.	2.6	37
8	Hydrological and Erosion Processes in Terraced Fields: Observations from a Humid Mediterranean Region in Northern Portugal. <i>Land Degradation and Development</i> , 2018, 29, 596-606.	3.9	33
9	Relationship of runoff, erosion and sediment yield to weather types in the Iberian Peninsula. <i>Geomorphology</i> , 2015, 228, 372-381.	2.6	31
10	Hydrological response of a humid agroforestry catchment at different time scales. <i>Hydrological Processes</i> , 2014, 28, 1677-1688.	2.6	30
11	Cation export by overland flow in a recently burnt forest area in north-central Portugal. <i>Science of the Total Environment</i> , 2015, 524-525, 201-212.	8.0	26
12	Water Resources Response to Changes in Temperature, Rainfall and CO2 Concentration: A First Approach in NW Spain. <i>Water (Switzerland)</i> , 2014, 6, 3049-3067.	2.7	25
13	Potential Impact of Climate Change on Suspended Sediment Yield in NW Spain: A Case Study on the Corbeira Catchment. <i>Water (Switzerland)</i> , 2016, 8, 444.	2.7	25
14	Sediment and phosphorus loss in runoff from an agroforestry catchment, NW Spain. <i>Land Degradation and Development</i> , 2010, 21, 161-170.	3.9	24
15	An overview of patterns and dynamics of suspended sediment transport in an agroforest headwater system in humid climate: Results from a long-term monitoring. <i>Science of the Total Environment</i> , 2019, 648, 33-43.	8.0	21
16	Agricultural Impact of Dissolved Trace Elements in Runoff Water from an Experimental Catchment with Land-Use Changes. <i>Communications in Soil Science and Plant Analysis</i> , 2012, 43, 81-87.	1.4	20
17	Short-term nitrogen losses by overland flow in a recently burnt forest area in north-central Portugal: A study at micro-plot scale. <i>Science of the Total Environment</i> , 2016, 572, 1281-1288.	8.0	19
18	Sources and sediment yield from a rural catchment in humid temperate environment, northwest Spain. <i>Earth Surface Processes and Landforms</i> , 2010, 35, 272-277.	2.5	17

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19	Identifying environmental and geochemical variables governing metal concentrations in a stream draining headwaters in NW Spain. <i>Applied Geochemistry</i> , 2014, 44, 61-68.	3.0	17
20	Hydroclimatic control of sediment and metal export from a rural catchment in northwestern Spain. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 3663-3673.	4.9	16
21	Relating nitrogen export patterns from a mixed land use catchment in NW Spain with rainfall and streamflow. <i>Hydrological Processes</i> , 2015, 29, 2720-2730.	2.6	15
22	The Influence of Discharge, pH, Dissolved Organic Carbon, and Suspended Solids on the Variability of Concentration and Partitioning of Metals in a Rural Catchment. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	2.4	13
23	Metals discharged during different flow conditions from a mixed agricultural-forest catchment (NW) Tj ETQq1 1 0,784314 rgBT /Overlock 10 Tf 50 3	2.6	13
24	Nutrient Dynamics during Storm Events in an Agroforestry Catchment. <i>Communications in Soil Science and Plant Analysis</i> , 2009, 40, 889-900.	1.4	10
25	Sediment Yield at Catchment Scale Using the SWAT (Soil and Water Assessment Tool) Model. <i>Soil Science</i> , 2016, 181, 326-334.	0.9	9
26	Metal Fluxes from Soils to Surface Waters at the Catchment Scale. <i>Communications in Soil Science and Plant Analysis</i> , 2009, 40, 313-326.	1.4	8
27	Dissolved and Particulate Metals in the Mero River (NW Spain): Factors affecting Concentrations and Load during Runoff Events. <i>Communications in Soil Science and Plant Analysis</i> , 2012, 43, 88-94.	1.4	8
28	Contrasting Dynamics of Nitrate and Kjeldahl Nitrogen in a Stream Draining a Rural Catchment in Galicia (NW Spain). <i>Communications in Soil Science and Plant Analysis</i> , 2013, 44, 415-421.	1.4	8
29	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
30	Aluminum fractionation in acidic soils and river sediments in the Upper Mero basin (Galicia, NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	3.4	8
31	Interrelationships of Water Quality, Nutrients, and Major Ions in a Stream Draining a Mixed-Use Catchment, NW Spain. <i>Communications in Soil Science and Plant Analysis</i> , 2012, 43, 95-101.	1.4	6
32	Using hysteresis analysis to infer controls on sediment-associated and dissolved metals transport in a small humid temperate catchment. <i>Journal of Hydrology</i> , 2018, 565, 49-60.	5.4	6
33	Baseflow and Runoff Event Metal Concentrations, Partition and Its Relation with Physicochemical Variables in an Agroforestry Catchment. <i>Clean - Soil, Air, Water</i> , 2014, 42, 462-471.	1.1	5
34	An Assessment of the Recent Evolution of the Streamflow in a Near-Natural System: A Case Study in the Headwaters of the Mero Basin (Galicia, Spain). <i>Hydrology</i> , 2020, 7, 97.	3.0	5
35	Assessing the Influence of Catchment Land-Use Patterns on the Nutrients and Major Ions Chemistry of Drainage Water. <i>Communications in Soil Science and Plant Analysis</i> , 2013, 44, 422-428.	1.4	4
36	Event sequence and sediment exhaustion in a rural catchment, northwest Spain. <i>International Journal of Ecodynamics</i> , 2007, 2, 133-140.	0.4	4

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37	Using hydrogeochemical signatures of stream water to assess pathways for rainfall events: towards a predictive model. <i>Hydrological Processes</i> , 2014, 28, 2302-2311.	2.6	3
38	Preliminary Assessment of the Riverine Nitrogen Concentration and Load in an Agroforestry Basin in NW Spain. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 326-331.	1.4	3
39	Effects of Changing Land Use from Agriculture to Forest on Stream Water Quality in a Small Basin in NW Spain. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 353-361.	1.4	3
40	Factors Controlling the Metal Levels in Headwater Stream Draining an Agroforestry Catchment (Galicia, NW Spain). <i>IOP Conference Series: Earth and Environmental Science</i> , 2016, 44, 042004.	0.3	3
41	Aluminum Forms in Solid Phase of Soils Developed over Schists as a Function of Land Use. <i>Communications in Soil Science and Plant Analysis</i> , 2016, 47, 90-96.	1.4	3
42	Assessment of seasonal variations in stream water by principal component analysis. <i>WIT Transactions on Ecology and the Environment</i> , 2007, , .	0.0	3
43	Soil crusting and surface runoff in agricultural land in Galicia (NW Spain). <i>Spanish Journal of Soil Science</i> , 0, 5, .	0.0	3
44	Geochemical Behavior of Dissolved Organic Carbon under Baseflow Conditions at the Corbeira Stream Water, Spain. <i>Communications in Soil Science and Plant Analysis</i> , 2012, 43, 2202-2208.	1.4	2
45	Phosphorus and Suspended Sediment Loads in Base-Flow and Runoff Events: A Case Study of a Small Stream in NW Spain. <i>Communications in Soil Science and Plant Analysis</i> , 2012, 43, 219-225.	1.4	2
46	Climate Variability in NW Spain and its Relationship with Water Balance and Streamflow in a Small Headwater Catchment: Preliminary Results. <i>Pure and Applied Geophysics</i> , 2012, 169, 1293-1311.	1.9	2
47	Phosphorus Loss from a Mixed Land Use Catchment in Northwest Spain. <i>Journal of Environmental Quality</i> , 2013, 42, 1151-1158.	2.0	2
48	Assessment of Metal Enrichment Factors in Waters Draining a Mixed-Land-Use Catchment. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 332-338.	1.4	2
49	Relationships between Phosphorus and Suspended Sediment Concentrations in a Stream Draining a Rural Area in NW Spain. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 339-345.	1.4	2
50	Long-Term Suspended Sediment Concentrations and Loads from a Relatively Undisturbed Agroforested Catchment in the Northwest of the Iberian Peninsula. <i>Water (Switzerland)</i> , 2018, 10, 1302.	2.7	2
51	Sediment and Phosphorus Loads from a Stream Draining Agricultural and Forest Lands in Northwest Spain. <i>Communications in Soil Science and Plant Analysis</i> , 2016, 47, 97-103.	1.4	1
52	Role of Antecedent Hydrologic Conditions on Stream Phosphorus Exportation: A Study Case in NW Spain. <i>Communications in Soil Science and Plant Analysis</i> , 2013, 44, 397-403.	1.4	0
53	Solid-Solution Metal Partitioning for the Upper Mero River Basin (NW Spain). <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 346-352.	1.4	0
54	Evolución reciente de los recursos hídricos en la cabecera del río Mero (Galicia, noroeste de España). <i>Cadernos Do Laboratorio Xeolóxico De Laxe</i> , 0, 42, 193-208.	0.0	0

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55	INVENTORY AND CHARACTERIZATION OF EROSIVE FORMS IN THE BARBANTIÑO RIVER (MIÑO BASIN, GALICIA,)	1.0784314	10