

Jantiene Em Baartman

List of Publications by Year in descending order

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48
papers

2,007
citations

257357

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2271
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of Potential Sites for Sustainable Water Harvesting Techniques in Oum Zessar Watershed, South East Tunisia. <i>Sustainability</i> , 2022, 14, 5754.	1.6	2
2	Soil-Improving Cropping Systems for Sustainable and Profitable Farming in Europe. <i>Land</i> , 2022, 11, 780.	1.2	16
3	Land Cover Change Detection and Subsistence Farming Dynamics in the Fringes of Mount Elgon National Park, Uganda from 1978â€“2020. <i>Remote Sensing</i> , 2022, 14, 2423.	1.8	9
4	The Effects of Soil Improving Cropping Systems (SICS) on Soil Erosion and Soil Organic Carbon Stocks across Europe: A Simulation Study. <i>Land</i> , 2022, 11, 943.	1.2	2
5	Editorial for special issue on â€œunderstanding soil functions â€“ from ped to planetâ€“. <i>European Journal of Soil Science</i> , 2021, 72, 1493.	1.8	0
6	Soil erosion modelling: A bibliometric analysis. <i>Environmental Research</i> , 2021, 197, 111087.	3.7	78
7	Soil erosion modelling: A global review and statistical analysis. <i>Science of the Total Environment</i> , 2021, 780, 146494.	3.9	261
8	Testing the impacts of wildfire on hydrological and sediment response using the OpenLISEM model. Part 2: Analyzing the effects of storm return period and extreme events. <i>Catena</i> , 2021, 207, 105620.	2.2	3
9	Testing the impacts of wildfire on hydrological and sediment response using the OpenLISEM model. Part 1: Calibration and evaluation for a burned Mediterranean forest catchment. <i>Catena</i> , 2021, 207, 105658.	2.2	10
10	Impacts of land use change and climatic effects on streamflow in the Chinese Loess Plateau: A meta-analysis. <i>Science of the Total Environment</i> , 2020, 703, 134989.	3.9	46
11	On the complexity of model complexity: Viewpoints across the geosciences. <i>Catena</i> , 2020, 186, 104261.	2.2	15
12	Using hydrological connectivity to detect transitions and degradation thresholds: Applications to dryland systems. <i>Catena</i> , 2020, 186, 104354.	2.2	60
13	What do models tell us about water and sediment connectivity?. <i>Geomorphology</i> , 2020, 367, 107300.	1.1	43
14	Postâ€“fire soil erosion mitigation at the scale of swales using forest logging residues at a reduced application rate. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 2837-2848.	1.2	29
15	Combining Soil Erosion Modeling with Connectivity Analyses to Assess Lateral Fine Sediment Input into Agricultural Streams. <i>Water (Switzerland)</i> , 2019, 11, 1793.	1.2	12
16	Effects of Different Land Uses (Abandoned Farmland, Intensive Agriculture and Forest) on Soil Hydrological Properties in Southern Spain. <i>Water (Switzerland)</i> , 2019, 11, 503.	1.2	45
17	Projecting Future Impacts of Global Change Including Fires on Soil Erosion to Anticipate Better Land Management in the Forests of NW Portugal. <i>Water (Switzerland)</i> , 2019, 11, 2617.	1.2	30
18	Assessing the impact of human interventions on floods and low flows in the Wei River Basin in China using the LISFLOOD model. <i>Science of the Total Environment</i> , 2019, 653, 1077-1094.	3.9	16

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19	Spatial glyphosate and AMPA redistribution on the soil surface driven by sediment transport processes – A flume experiment. <i>Environmental Pollution</i> , 2018, 234, 1011-1020.	3.7	20
20	Participatory assessment of soil erosion severity and performance of mitigation measures using stakeholder workshops in Koga catchment, Ethiopia. <i>Journal of Environmental Management</i> , 2018, 207, 230-242.	3.8	18
21	Changeability of reliability, resilience and vulnerability indicators with respect to drought patterns. <i>Ecological Indicators</i> , 2018, 87, 196-208.	2.6	52
22	The effect of landform variation on vegetation patterning and related sediment dynamics. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 2121-2135.	1.2	36
23	A framework approach for unravelling the impact of multiple factors influencing flooding. <i>Journal of Flood Risk Management</i> , 2018, 11, 111-126.	1.6	7
24	Biophysical landscape interactions: Bridging disciplines and scale with connectivity. <i>Land Degradation and Development</i> , 2018, 29, 1167-1175.	1.8	14
25	Vegetation and soil degradation in drylands: Non linear feedbacks and early warning signals. <i>Current Opinion in Environmental Science and Health</i> , 2018, 5, 67-72.	2.1	46
26	Health comparative comprehensive assessment of watersheds with different climates. <i>Ecological Indicators</i> , 2018, 93, 781-790.	2.6	40
27	Transport of silver nanoparticles by runoff and erosion – A flume experiment. <i>Science of the Total Environment</i> , 2017, 601-602, 1418-1426.	3.9	9
28	Assessing the variation in bund structure dimensions and its impact on soil physical properties and hydrology in Koga catchment, Highlands of Ethiopia. <i>Catena</i> , 2017, 157, 195-204.	2.2	14
29	An integrated algorithm to evaluate flow direction and flow accumulation in flat regions of hydrologically corrected DEMs. <i>Catena</i> , 2017, 151, 174-181.	2.2	33
30	An improved method for calculating slope length (\hat{l}_s) and the LS parameters of the Revised Universal Soil Loss Equation for large watersheds. <i>Geoderma</i> , 2017, 308, 36-45.	2.3	78
31	Assessing the effect of water harvesting techniques on event-based hydrological responses and sediment yield at a catchment scale in northern Ethiopia using the Limburg Soil Erosion Model (LISEM). <i>Catena</i> , 2017, 159, 20-34.	2.2	43
32	Two decades of numerical modelling to understand long term fluvial archives: Advances and future perspectives. <i>Quaternary Science Reviews</i> , 2017, 166, 177-187.	1.4	18
33	Reducing Sediment Connectivity Through man-made and Natural Sediment Sinks in the Minizir Catchment, Northwest Ethiopia. <i>Land Degradation and Development</i> , 2017, 28, 708-717.	1.8	81
34	Sediment trapping with indigenous grass species showing differences in plant traits in northwest Ethiopia. <i>Catena</i> , 2016, 147, 755-763.	2.2	49
35	Soil Conservation Through Sediment Trapping: A Review. <i>Land Degradation and Development</i> , 2015, 26, 544-556.	1.8	222
36	Soil surface roughness: comparing old and new measuring methods and application in a soil erosion model. <i>Soil</i> , 2015, 1, 399-410.	2.2	87

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37	Runoff and sediment yield of tilled and spontaneous grass-covered olive groves grown on sloping land. <i>Soil Research</i> , 2015, 53, 542.	0.6	19
38	Evaluating sediment storage dams: structural off-site sediment trapping measures in northwest Ethiopia. <i>Cuadernos De Investigacion Geografica</i> , 2015, 41, 7-22.	0.6	102
39	Landscape Evolution Modelling of naturally dammed rivers. <i>Earth Surface Processes and Landforms</i> , 2014, 39, 1587-1600.	1.2	10
40	Exploring the role of rainfall variability and extreme events in long-term landscape development. <i>Catena</i> , 2013, 109, 25-38.	2.2	23
41	Linking landscape morphological complexity and sediment connectivity. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 1457-1471.	1.2	85
42	Modelling sediment dynamics due to hillslope-river interactions: incorporating fluvial behaviour in landscape evolution model LAPSUS. <i>Earth Surface Processes and Landforms</i> , 2012, 37, 923-935.	1.2	18
43	Did tillage erosion play a role in millennial scale landscape development?. <i>Earth Surface Processes and Landforms</i> , 2012, 37, 1615-1626.	1.2	16
44	Exploring effects of rainfall intensity and duration on soil erosion at the catchment scale using openLISEM: Prado catchment, SE Spain. <i>Hydrological Processes</i> , 2012, 26, 1034-1049.	1.1	96
45	Unravelling Late Pleistocene and Holocene landscape dynamics: The Upper Guadalentn Basin, SE Spain. <i>Geomorphology</i> , 2011, 125, 172-185.	1.1	23
46	Can uncertain landscape evolution models discriminate between landscape responses to stable and changing future climate? A millennial-scale test. <i>Global and Planetary Change</i> , 2009, 69, 48-58.	1.6	34
47	Climate controls on late Pleistocene landscape evolution of the Okhombe valley, KwaZulu-Natal, South Africa. <i>Geomorphology</i> , 2008, 99, 280-295.	1.1	32
48	How do large wildfires impact sediment redistribution over multiple decades?. <i>Earth Surface Processes and Landforms</i> , 0, , .	1.2	0