Jantiene Em Baartman

List of Publications by Year
in descending order

48	2,007	257101 24	243296 44
papers	citations	h-index	g-index

63	63	63	2271
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Soil erosion modelling: A global review and statistical analysis. Science of the Total Environment, 2021, 780, 146494.	3.9	261
2	Soil Conservation Through Sediment Trapping: A Review. Land Degradation and Development, 2015, 26, 544-556.	1.8	222
3	Evaluating sediment storage dams: structural off-site sediment trapping measures in northwest Ethiopia. Cuadernos De Investigacion Geografica, 2015, 41, 7-22.	0.6	102
4	Exploring effects of rainfall intensity and duration on soil erosion at the catchment scale using openLISEM: Prado catchment, SE Spain. Hydrological Processes, 2012, 26, 1034-1049.	1.1	96
5	Soil surface roughness: comparing old and new measuring methods and application in a soil erosion model. Soil, 2015, 1, 399-410.	2.2	87
6	Linking landscape morphological complexity and sediment connectivity. Earth Surface Processes and Landforms, 2013, 38, 1457-1471.	1.2	85
7	Reducing Sediment Connectivity Through manâ€Made and Natural Sediment Sinks in the Minizr Catchment, Northwest Ethiopia. Land Degradation and Development, 2017, 28, 708-717.	1.8	81
8	An improved method for calculating slope length (Î») and the LS parameters of the Revised Universal Soil Loss Equation for large watersheds. Geoderma, 2017, 308, 36-45.	2.3	78
9	Soil erosion modelling: A bibliometric analysis. Environmental Research, 2021, 197, 111087.	3.7	78
10	Using hydrological connectivity to detect transitions and degradation thresholds: Applications to dryland systems. Catena, 2020, 186, 104354.	2.2	60
11	Changeability of reliability, resilience and vulnerability indicators with respect to drought patterns. Ecological Indicators, 2018, 87, 196-208.	2.6	52
12	Sediment trapping with indigenous grass species showing differences in plant traits in northwest Ethiopia. Catena, 2016, 147, 755-763.	2.2	49
13	Vegetation and soil degradation in drylands: Non linear feedbacks and early warning signals. Current Opinion in Environmental Science and Health, 2018, 5, 67-72.	2.1	46
14	Impacts of land use change and climatic effects on streamflow in the Chinese Loess Plateau: A meta-analysis. Science of the Total Environment, 2020, 703, 134989.	3.9	46
15	Effects of Different Land Uses (Abandoned Farmland, Intensive Agriculture and Forest) on Soil Hydrological Properties in Southern Spain. Water (Switzerland), 2019, 11, 503.	1.2	45
16	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). Catena, 2017, 159, 20-34.	2.2	43
17	What do models tell us about water and sediment connectivity?. Geomorphology, 2020, 367, 107300.	1.1	43
18	Health comparative comprehensive assessment of watersheds with different climates. Ecological Indicators, 2018, 93, 781-790.	2.6	40

#	Article	IF	Citations
19	The effect of landform variation on vegetation patterning and related sediment dynamics. Earth Surface Processes and Landforms, 2018, 43, 2121-2135.	1.2	36
20	Can uncertain landscape evolution models discriminate between landscape responses to stable and changing future climate? A millennial-scale test. Global and Planetary Change, 2009, 69, 48-58.	1.6	34
21	An integrated algorithm to evaluate flow direction and flow accumulation in flat regions of hydrologically corrected DEMs. Catena, 2017, 151, 174-181.	2.2	33
22	Climate controls on late Pleistocene landscape evolution of the Okhombe valley, KwaZulu-Natal, South Africa. Geomorphology, 2008, 99, 280-295.	1.1	32
23	Projecting Future Impacts of Global Change Including Fires on Soil Erosion to Anticipate Better Land Management in the Forests of NW Portugal. Water (Switzerland), 2019, 11, 2617.	1.2	30
24	Postâ€fire soil erosion mitigation at the scale of swales using forest logging residues at a reduced application rate. Earth Surface Processes and Landforms, 2019, 44, 2837-2848.	1.2	29
25	Unravelling Late Pleistocene and Holocene landscape dynamics: The Upper GuadalentÃn Basin, SE Spain. Geomorphology, 2011, 125, 172-185.	1.1	23
26	Exploring the role of rainfall variability and extreme events in long-term landscape development. Catena, 2013, 109, 25-38.	2.2	23
27	Spatial glyphosate and AMPA redistribution on the soil surface driven by sediment transport processes â€“ A flume experiment. Environmental Pollution, 2018, 234, 1011-1020.	3.7	20
28	Runoff and sediment yield of tilled and spontaneous grass-covered olive groves grown on sloping land. Soil Research, 2015, 53, 542.	0.6	19
29	Modelling sediment dynamics due to hillslopeâ€“river interactions: incorporating fluvial behaviour in landscape evolution model LAPSUS. Earth Surface Processes and Landforms, 2012, 37, 923-935.	1.2	18
30	Two decades of numerical modelling to understand long term fluvial archives: Advances and future perspectives. Quaternary Science Reviews, 2017, 166, 177-187.	1.4	18
31	Participatory assessment of soil erosion severity and performance of mitigation measures using stakeholder workshops in Koga catchment, Ethiopia. Journal of Environmental Management, 2018, 207, 230-242.	3.8	18
32	Did tillage erosion play a role in millennial scale landscape development?. Earth Surface Processes and Landforms, 2012, 37, 1615-1626.	1.2	16
33	Assessing the impact of human interventions on floods and low flows in the Wei River Basin in China using the LISFLOOD model. Science of the Total Environment, 2019, 653, 1077-1094.	3.9	16
34	Soil-Improving Cropping Systems for Sustainable and Profitable Farming in Europe. Land, 2022, 11, 780.	1.2	16
35	On the complexity of model complexity: Viewpoints across the geosciences. Catena, 2020, 186, 104261.	2.2	15
36	Assessing the variation in bund structure dimensions and its impact on soil physical properties and hydrology in Koga catchment, Highlands of Ethiopia. Catena, 2017, 157, 195-204.	2.2	14

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37	Biophysical landscape interactions: Bridging disciplines and scale with connectivity. Land Degradation and Development, 2018, 29, 1167-1175.	1.8	14
38	Combining Soil Erosion Modeling with Connectivity Analyses to Assess Lateral Fine Sediment Input into Agricultural Streams. Water (Switzerland), 2019, 11, 1793.	1.2	12
39	Landscape Evolution Modelling of naturally dammed rivers. Earth Surface Processes and Landforms, 2014, 39, 1587-1600.	1.2	10
40	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. Catena, 2021, 207, 105658.	2.2	10
41	Transport of silver nanoparticles by runoff and erosion â€“ A flume experiment. Science of the Total Environment, 2017, 601-602, 1418-1426.	3.9	9
42	Land Cover Change Detection and Subsistence Farming Dynamics in the Fringes of Mount Elgon National Park, Uganda from 1978â€“2020. Remote Sensing, 2022, 14, 2423.	1.8	9
43	A framework approach for unravelling the impact of multiple factors influencing flooding. Journal of Flood Risk Management, 2018, 11, 111-126.	1.6	7
44	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. Catena, 2021, 207, 105620.	2.2	3
45	Generation of Potential Sites for Sustainable Water Harvesting Techniques in Oum Zessar Watershed, South East Tunisia. Sustainability, 2022, 14, 5754.	1.6	2
46	The Effects of Soil Improving Cropping Systems (SICS) on Soil Erosion and Soil Organic Carbon Stocks across Europe: A Simulation Study. Land, 2022, 11, 943.	1.2	2
47	Editorial for special issue on â€œunderstanding soil functions â€“ from ped to planetâ€• European Journal of Soil Science, 2021, 72, 1493.	1.8	0
48	How do large wildfires impact sediment redistribution over multiple decades?. Earth Surface Processes and Landforms, 0, , .	1.2	0