

Saskia Keesstra

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

153
papers

8,639
citations

54
h-index

89
g-index

162
ext. papers

10,340
ext. citations

5.2
avg, IF

6.73
L-index

#	Paper	IF	Citations
153	Examining the status of forest fire emission in 2020 and its connection to COVID-19 incidents in West Coast regions of the United States.. <i>Environmental Research</i> , 2022 , 210, 112818	7.9	0
152	Climate Smart Regenerative Agriculture to Produce Sustainable Beauty Products: The Case Study of Snail Secretion Filtrate (LX360 [®]). <i>Sustainability</i> , 2022 , 14, 2367	3.6	0
151	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	7.9	5
150	Achieving Land Degradation Neutrality: A Robust Soil System Forms the Basis for Nature-Based Solutions. <i>Land</i> , 2021 , 10, 1300	3.5	1
149	Landscape-Based Visions as Powerful Boundary Objects in Spatial Planning: Lessons from Three Dutch Projects. <i>Land</i> , 2021 , 10, 16	3.5	6
148	The 3Ps (Profit, Planet, and People) of Sustainability amidst Climate Change: A South African Grape and Wine Perspective. <i>Sustainability</i> , 2021 , 13, 2910	3.6	3
147	Arctic wetland system dynamics under climate warming. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021 , 8, e1526	5.7	3
146	Examining the effects of green revolution led agricultural expansion on net ecosystem service values in India using multiple valuation approaches. <i>Journal of Environmental Management</i> , 2021 , 277, 111381	7.9	8
145	Effectiveness of soil erosion barriers to reduce sediment connectivity at small basin scale in a fire-affected forest. <i>Journal of Environmental Management</i> , 2021 , 278, 111510	7.9	13
144	Determining the potential impacts of fire and different land uses on splash erosion in the margins of drylands. <i>Journal of Arid Environments</i> , 2021 , 186, 104419	2.5	6
143	Geomorphological change detection of an urban meander loop caused by an extreme flood using remote sensing and bathymetry measurements (a case study of Karoon River, Iran). <i>Journal of Hydrology</i> , 2021 , 597, 125712	6	1
142	Susceptibility to Gully Erosion: Applying Random Forest (RF) and Frequency Ratio (FR) Approaches to a Small Catchment in Ethiopia. <i>Water (Switzerland)</i> , 2021 , 13, 216	3	14
141	The role of soils in regulation and provision of blue and green water. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021 , 376, 20200175	5.8	17
140	Integration of hard and soft supervised machine learning for flood susceptibility mapping. <i>Journal of Environmental Management</i> , 2021 , 291, 112731	7.9	8
139	Soil-derived Nature's Contributions to People and their contribution to the UN Sustainable Development Goals. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021 , 376, 20200185	5.8	7
138	The role of soils in delivering Nature's Contributions to People. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021 , 376, 20200169	5.8	2
137	Post-fire practices benefits on vegetation recovery and soil conservation in a Mediterranean area. <i>Land Use Policy</i> , 2021 , 111, 105776	5.6	2

136	Identification of Conservation Priority Zones Using Spatially Explicit Valued Ecosystem Services: A Case from the Indian Sundarbans. <i>Integrated Environmental Assessment and Management</i> , 2020 , 16, 773-787	2.5	4
135	A novel GIS-based ensemble technique for rangeland downward trend mapping as an ecological indicator change. <i>Ecological Indicators</i> , 2020 , 117, 106591	5.8	21
134	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	2.7	9
133	Responses of ecosystem services to natural and anthropogenic forcings: A spatial regression based assessment in the world's largest mangrove ecosystem. <i>Science of the Total Environment</i> , 2020 , 715, 137004	10.2	54
132	Identifying tree health using sentinel-2 images: a case study on Tortrix viridana L. infected oak trees in Western Iran. <i>Geocarto International</i> , 2020 , 1-11	2.7	7
131	Impact of flight altitude and cover orientation on Digital Surface Model (DSM) accuracy for flood damage assessment in Murcia (Spain) using a fixed-wing UAV. <i>Earth Science Informatics</i> , 2020 , 13, 391-404	2.5	10
130	Time Delay Evaluation on the Water-Leaving Irradiance Retrieved from Empirical Models and Satellite Imagery. <i>Remote Sensing</i> , 2020 , 12, 87	5	1
129	Using hydrological connectivity to detect transitions and degradation thresholds: Applications to dryland systems. <i>Catena</i> , 2020 , 186, 104354	5.8	29
128	Post-fire management treatment effects on soil properties and burned area restoration in a wildland-urban interface, Haifa Fire case study. <i>Science of the Total Environment</i> , 2020 , 716, 135190	10.2	19
127	Convolutional neural network approach for spatial prediction of flood hazard at national scale of Iran. <i>Journal of Hydrology</i> , 2020 , 591, 125552	6	20
126	Examining the effects of forest fire on terrestrial carbon emission and ecosystem production in India using remote sensing approaches. <i>Science of the Total Environment</i> , 2020 , 725, 138331	10.2	30
125	Sediment mobilization study on Cretaceous, Tertiary and Quaternary lithological formations of an external Rif catchment, Morocco. <i>Hydrological Sciences Journal</i> , 2020 , 65, 1568-1582	3.5	4
124	Debris-flow-dominated sediment transport through a channel network after wildfire. <i>Earth Surface Processes and Landforms</i> , 2020 , 45, 1155-1167	3.7	14
123	Comparing Filtering Techniques for Removing Vegetation from UAV-Based Photogrammetric Point Clouds. <i>Drones</i> , 2019 , 3, 61	5.4	27
122	Multi-Hazard Exposure Mapping Using Machine Learning Techniques: A Case Study from Iran. <i>Remote Sensing</i> , 2019 , 11, 1943	5	37
121	Coupling hysteresis analysis with sediment and hydrological connectivity in three agricultural catchments in Navarre, Spain. <i>Journal of Soils and Sediments</i> , 2019 , 19, 1598-1612	3.4	30
120	Land-Management Options for Greenhouse Gas Removal and Their Impacts on Ecosystem Services and the Sustainable Development Goals. <i>Annual Review of Environment and Resources</i> , 2019 , 44, 255-286	17.2	95
119	Ecosystem service value assessment of a natural reserve region for strengthening protection and conservation. <i>Journal of Environmental Management</i> , 2019 , 244, 208-227	7.9	73

118	Uncertainties of prediction accuracy in shallow landslide modeling: Sample size and raster resolution. <i>Catena</i> , 2019 , 178, 172-188	5.8	62
117	Gully erosion susceptibility assessment and management of hazard-prone areas in India using different machine learning algorithms. <i>Science of the Total Environment</i> , 2019 , 668, 124-138	10.2	125
116	Beerkan multi-runs for characterizing water infiltration and spatial variability of soil hydraulic properties across scales. <i>Hydrological Sciences Journal</i> , 2019 , 64, 165-178	3.5	22
115	Land subsidence hazard modeling: Machine learning to identify predictors and the role of human activities. <i>Journal of Environmental Management</i> , 2019 , 236, 466-480	7.9	43
114	How can statistical and artificial intelligence approaches predict piping erosion susceptibility?. <i>Science of the Total Environment</i> , 2019 , 646, 1554-1566	10.2	35
113	Optimization of an adaptive neuro-fuzzy inference system for groundwater potential mapping. <i>Hydrogeology Journal</i> , 2019 , 27, 2511-2534	3.1	43
112	Evaluating landscape capacity to provide spatially explicit valued ecosystem services for sustainable coastal resource management. <i>Ocean and Coastal Management</i> , 2019 , 182, 104918	3.9	13
111	The Problem of Water Use in Rural Areas of Southwestern Spain: A Local Perspective. <i>Water (Switzerland)</i> , 2019 , 11, 1311	3	6
110	Comparative Analysis of Splash Erosion Devices for Rainfall Simulation Experiments: A Laboratory Study. <i>Water (Switzerland)</i> , 2019 , 11, 1228	3	18
109	Effects of Applying Liquid Swine Manure on Soil Quality and Yield Production in Tropical Soybean Crops (Paraná/Brazil). <i>Sustainability</i> , 2019 , 11, 3898	3.6	12
108	Modeling the impact of dam removal on channel evolution and sediment delivery in a multiple dam setting. <i>International Journal of Sediment Research</i> , 2019 , 34, 537-549	3	10
107	Impact of desertification on soil and plant nutrient stoichiometry in a desert grassland. <i>Scientific Reports</i> , 2019 , 9, 9422	4.9	9
106	Causes and Controlling Factors of Valley Bottom Gullies. <i>Land</i> , 2019 , 8, 141	3.5	21
105	Using Beerkan experiments to estimate hydraulic conductivity of a crusted loamy soil in a Mediterranean vineyard. <i>Journal of Hydrology and Hydromechanics</i> , 2019 , 67, 191-200	2.1	13
104	Soil as a Basis to Create Enabling Conditions for Transitions Towards Sustainable Land Management as a Key to Achieve the SDGs by 2030. <i>Sustainability</i> , 2019 , 11, 6792	3.6	98
103	Roadmap for the European Joint Program SOIL: Towards Climate-Smart Sustainable Management of Agricultural Soils. <i>Proceedings (mdpi)</i> , 2019 , 30, 89	0.3	1
102	Straw mulch as a sustainable solution to decrease runoff and erosion in glyphosate-treated clementine plantations in Eastern Spain. An assessment using rainfall simulation experiments. <i>Catena</i> , 2019 , 174, 95-103	5.8	121
101	The impact of political, socio-economic and cultural factors on implementing environment friendly techniques for sustainable land management and climate change mitigation in Romania. <i>Science of the Total Environment</i> , 2019 , 654, 418-429	10.2	27

100	Evaluation of watershed health using Fuzzy-ANP approach considering geo-environmental and topo-hydrological criteria. <i>Journal of Environmental Management</i> , 2019 , 232, 22-36	7.9	41
99	Estimating the soil respiration under different land uses using artificial neural network and linear regression models. <i>Catena</i> , 2019 , 174, 371-382	5.8	21
98	Effects of urbanization on river morphology of the Talar River, Mazandarn Province, Iran. <i>Geocarto International</i> , 2019 , 34, 276-292	2.7	19
97	Hydrological and erosional impact and farmer's perception on catch crops and weeds in citrus organic farming in Canyoles river watershed, Eastern Spain. <i>Agriculture, Ecosystems and Environment</i> , 2018 , 258, 49-58	5.7	90
96	Connectivity assessment in Mediterranean vineyards using improved stock unearthing method, LiDAR and soil erosion field surveys. <i>Earth Surface Processes and Landforms</i> , 2018 , 43, 2193-2206	3.7	54
95	Stakeholders' perception of the relevance of water and sediment connectivity in water and land management. <i>Land Degradation and Development</i> , 2018 , 29, 1833-1844	4.4	10
94	No-till durum wheat yield success probability in semi arid climate: A methodological framework. <i>Soil and Tillage Research</i> , 2018 , 181, 29-36	6.5	11
93	Effect of soil surface roughness on infiltration water, ponding and runoff on tilled soils under rainfall simulation experiments. <i>Soil and Tillage Research</i> , 2018 , 179, 47-53	6.5	62
92	Effects of an extreme flood on river morphology (case study: Karoon River, Iran). <i>Geomorphology</i> , 2018 , 304, 30-39	4.3	37
91	Morphodynamic effects of riparian vegetation growth after stream restoration. <i>Earth Surface Processes and Landforms</i> , 2018 , 43, 1591-1607	3.7	18
90	Updated Measurements in Vineyards Improves Accuracy of Soil Erosion Rates. <i>Agronomy Journal</i> , 2018 , 110, 411-417	2.2	31
89	Changeability of reliability, resilience and vulnerability indicators with respect to drought patterns. <i>Ecological Indicators</i> , 2018 , 87, 196-208	5.8	34
88	Long-term impact of rainfed agricultural land abandonment on soil erosion in the Western Mediterranean basin. <i>Progress in Physical Geography</i> , 2018 , 42, 202-219	3.5	77
87	Policies can help to apply successful strategies to control soil and water losses. The case of chipped pruned branches (CPB) in Mediterranean citrus plantations. <i>Land Use Policy</i> , 2018 , 75, 734-745	5.6	67
86	Flood susceptibility mapping using novel ensembles of adaptive neuro fuzzy inference system and metaheuristic algorithms. <i>Science of the Total Environment</i> , 2018 , 615, 438-451	10.2	220
85	The superior effect of nature based solutions in land management for enhancing ecosystem services. <i>Science of the Total Environment</i> , 2018 , 610-611, 997-1009	10.2	389
84	The way forward: Can connectivity be useful to design better measuring and modelling schemes for water and sediment dynamics?. <i>Science of the Total Environment</i> , 2018 , 644, 1557-1572	10.2	137
83	Soil Erosion as an Environmental Concern in Vineyards. The Case Study of Celler del Roure, Eastern Spain, by Means of Rainfall Simulation Experiments. <i>Beverages</i> , 2018 , 4, 31	3.4	74

82	Soil Erosion Induced by the Introduction of New Pasture Species in a Faxinal Farm of Southern Brazil. <i>Geosciences (Switzerland)</i> , 2018 , 8, 166	2.7	26
81	The Impact of the Age of Vines on Soil Hydraulic Conductivity in Vineyards in Eastern Spain. <i>Water (Switzerland)</i> , 2018 , 10, 14	3	14
80	Comparing Transient and Steady-State Analysis of Single-Ring Infiltrometer Data for an Abandoned Field Affected by Fire in Eastern Spain. <i>Water (Switzerland)</i> , 2018 , 10, 514	3	17
79	Interrill erodibility in relation to aggregate size class in a semi-arid soil under simulated rainfalls. <i>Catena</i> , 2018 , 167, 385-398	5.8	14
78	Testing simple scaling in soil erosion processes at plot scale. <i>Catena</i> , 2018 , 167, 171-180	5.8	22
77	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	8.1	27
76	Health comparative comprehensive assessment of watersheds with different climates. <i>Ecological Indicators</i> , 2018 , 93, 781-790	5.8	24
75	Development and analysis of the Soil Water Infiltration Global database. <i>Earth System Science Data</i> , 2018 , 10, 1237-1263	10.5	54
74	Spatio-temporal variation of throughfall in a hyrcanian plain forest stand in Northern Iran. <i>Journal of Hydrology and Hydromechanics</i> , 2018 , 66, 97-106	2.1	11
73	Effects of land preparation and plantings of vegetation on soil moisture in a hilly loess catchment in China. <i>Land Degradation and Development</i> , 2018 , 29, 1427-1441	4.4	25
72	Assessing drought vulnerability and adaptation among farmers in Gadaref region, Eastern Sudan. <i>Land Use Policy</i> , 2018 , 70, 402-413	5.6	32
71	Afforestation, Subsequent Forest Fires and Provision of Hydrological Services: A Model-Based Analysis for a Mediterranean Mountainous Catchment. <i>Land Degradation and Development</i> , 2018 , 29, 776-788	4.4	39
70	Soil Physical Quality of Citrus Orchards Under Tillage, Herbicide, and Organic Managements. <i>Pedosphere</i> , 2018 , 28, 463-477	5	48
69	Connectivity and complex systems: learning from a multi-disciplinary perspective. <i>Applied Network Science</i> , 2018 , 3, 11	2.9	61
68	Soil-Related Sustainable Development Goals: Four Concepts to Make Land Degradation Neutrality and Restoration Work. <i>Land</i> , 2018 , 7, 133	3.5	35 ¹
67	Analysis of drought and vulnerability in the North Darfur region of Sudan. <i>Land Degradation and Development</i> , 2018 , 29, 4424-4438	4.4	17
66	Assessing land condition as a first step to achieving land degradation neutrality: A case study of the Republic of Srpska. <i>Environmental Science and Policy</i> , 2018 , 90, 19-27	6.2	31
65	Effect of soil management on soil erosion on sloping farmland during crop growth stages under a large-scale rainfall simulation experiment. <i>Journal of Arid Land</i> , 2018 , 10, 921-931	2.2	4

64	Effects of hydrological events on morphological evolution of a fluvial system. <i>Journal of Hydrology</i> , 2018 , 563, 33-42	6	12
63	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	8.1	52
62	Modeling Sediment Yield in Semi-Arid Pasture Micro-Catchments, NW Iran. <i>Land Degradation and Development</i> , 2017 , 28, 1274-1286	4.4	36
61	Searching for evidence of changes in extreme rainfall indices in the Central Rift Valley of Ethiopia. <i>Theoretical and Applied Climatology</i> , 2017 , 128, 795-809	3	19
60	The influence of fire history, plant species and post-fire management on soil water repellency in a Mediterranean catchment: The Mount Carmel range, Israel. <i>Catena</i> , 2017 , 149, 857-866	5.8	60
59	Impact of secondary vegetation succession on soil quality in a humid Mediterranean landscape. <i>Catena</i> , 2017 , 149, 836-843	5.8	83
58	Interplay between river dynamics and international borders: The Hirmand River between Iran and Afghanistan. <i>Science of the Total Environment</i> , 2017 , 586, 492-501	10.2	14
57	Detecting and predicting the impact of land use changes on groundwater quality, a case study in Northern Kelantan, Malaysia. <i>Science of the Total Environment</i> , 2017 , 599-600, 844-853	10.2	55
56	Splash erosion: A review with unanswered questions. <i>Earth-Science Reviews</i> , 2017 , 171, 463-477	10.2	111
55	Assessment of soil particle erodibility and sediment trapping using check dams in small semi-arid catchments. <i>Catena</i> , 2017 , 157, 227-240	5.8	50
54	Effects of long-term deforestation and remnant forests on rainfall and temperature in the Central Rift Valley of Ethiopia. <i>Forest Ecosystems</i> , 2017 , 4,	3.8	12
53	Lateral Saturated Hydraulic Conductivity of Soil Horizons Evaluated in Large-Volume Soil Monoliths. <i>Water (Switzerland)</i> , 2017 , 9, 862	3	4
52	An economic, perception and biophysical approach to the use of oat straw as mulch in Mediterranean rainfed agriculture land. <i>Ecological Engineering</i> , 2017 , 108, 162-171	3.9	112
51	Runoff initiation, soil detachment and connectivity are enhanced as a consequence of vineyards plantations. <i>Journal of Environmental Management</i> , 2017 , 202, 268-275	7.9	62
50	Increasing farmer's income and reducing soil erosion using intercropping in rainfed maize-wheat rotation of Himalaya, India. <i>Agriculture, Ecosystems and Environment</i> , 2017 , 247, 43-53	5.7	95
49	<i>Pinus halepensis</i> M. versus <i>Quercus ilex</i> subsp. <i>Rotundifolia</i> L. runoff and soil erosion at pedon scale under natural rainfall in Eastern Spain three decades after a forest fire. <i>Forest Ecology and Management</i> , 2017 , 400, 447-456	3.9	60
48	A network theory approach for a better understanding of overland flow connectivity. <i>Hydrological Processes</i> , 2017 , 31, 207-220	3.3	56
47	A conceptual connectivity framework for understanding geomorphic change in human-impacted fluvial systems. <i>Geomorphology</i> , 2017 , 277, 237-250	4.3	83

46	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	4.4	65
45	Impact of Potentially Contaminated River Water on Agricultural Irrigated Soils in an Equatorial Climate. <i>Agriculture (Switzerland)</i> , 2017 , 7, 52	3	25
44	Spatial Runoff Estimation and Mapping of Potential Water Harvesting Sites: A GIS and Remote Sensing Perspective, Northwest Ethiopia. <i>Springer Geography</i> , 2016 , 565-584	0.4	8
43	Soil erosion in sloping vineyards assessed by using botanical indicators and sediment collectors in the Ruwer-Mosel valley. <i>Agriculture, Ecosystems and Environment</i> , 2016 , 233, 158-170	5.7	56
42	Use of barley straw residues to avoid high erosion and runoff rates on persimmon plantations in Eastern Spain under low frequency high magnitude simulated rainfall events. <i>Soil Research</i> , 2016 , 54, 154	1.8	155
41	Selection of forest species for the rehabilitation of disturbed soils in oil fields in the Ecuadorian Amazon. <i>Science of the Total Environment</i> , 2016 , 566-567, 761-770	10.2	26
40	Physically-Based Modelling of the Post-Fire Runoff Response of a Forest Catchment in Central Portugal: Using Field versus Remote Sensing Based Estimates of Vegetation Recovery. <i>Land Degradation and Development</i> , 2016 , 27, 1535-1544	4.4	52
39	The immediate effectiveness of barley straw mulch in reducing soil erodibility and surface runoff generation in Mediterranean vineyards. <i>Science of the Total Environment</i> , 2016 , 547, 323-330	10.2	251
38	Effects of soil management techniques on soil water erosion in apricot orchards. <i>Science of the Total Environment</i> , 2016 , 551-552, 357-66	10.2	271
37	Actual provision as an alternative criterion to improve the efficiency of payments for ecosystem services for C sequestration in semiarid vineyards. <i>Agricultural Systems</i> , 2016 , 144, 58-64	6.1	56
36	Understanding the role of soil erosion on co ₂ -c loss using (13)c isotopic signatures in abandoned Mediterranean agricultural land. <i>Science of the Total Environment</i> , 2016 , 550, 330-336	10.2	82
35	Projected Impact of Climate Change on Hydrological Regimes in the Philippines. <i>PLoS ONE</i> , 2016 , 11, e0163941	3.7	23
34	The significance of soils and soil science towards realization of the United Nations Sustainable Development Goals. <i>Soil</i> , 2016 , 2, 111-128	5.8	795
33	Soil Erosion Processes in European Vineyards: A Qualitative Comparison of Rainfall Simulation Measurements in Germany, Spain and France. <i>Hydrology</i> , 2016 , 3, 6	2.8	58
32	Modelling Discharge and Sediment Yield at Catchment Scale Using Connectivity Components. <i>Land Degradation and Development</i> , 2016 , 27, 933-945	4.4	61
31	Short-Term Vegetation Recovery after a Grassland Fire in Lithuania: The Effects of Fire Severity, Slope Position and Aspect. <i>Land Degradation and Development</i> , 2016 , 27, 1523-1534	4.4	40
30	CLustre: semi-automated lineament clustering for palaeo-glacial reconstruction. <i>Earth Surface Processes and Landforms</i> , 2016 , 41, 364-377	3.7	4
29	Heavy metal accumulation related to population density in road dust samples taken from urban sites under different land uses. <i>Science of the Total Environment</i> , 2016 , 553, 636-642	10.2	209

28	Long-term effects of soil management on ecosystem services and soil loss estimation in olive grove top soils. <i>Science of the Total Environment</i> , 2016 , 571, 498-506	10.2	90
27	Sediment trapping with indigenous grass species showing differences in plant traits in northwest Ethiopia. <i>Catena</i> , 2016 , 147, 755-763	5.8	39
26	Impact of predicted changes in rainfall and atmospheric carbon dioxide on maize and wheat yields in the Central Rift Valley of Ethiopia. <i>Regional Environmental Change</i> , 2015 , 15, 1105-1119	4.3	46
25	Loss of Plant Species Diversity Reduces Soil Erosion Resistance. <i>Ecosystems</i> , 2015 , 18, 881-888	3.9	181
24	Shrubland as a soil and water conservation agent in Mediterranean-type ecosystems 2015 , 45-59		2
23	Use of legacy data in geomorphological research. <i>GeoResJ</i> , 2015 , 6, 74-80		6
22	Soil Conservation Through Sediment Trapping: A Review. <i>Land Degradation and Development</i> , 2015 , 26, 544-556	4.4	182
21	Introduction to special issue on connectivity in water and sediment dynamics. <i>Earth Surface Processes and Landforms</i> , 2015 , 40, 1275-1277	3.7	64
20	The Wageningen Rainfall Simulator: Set-up and Calibration of an Indoor Nozzle-Type Rainfall Simulator for Soil Erosion Studies. <i>Land Degradation and Development</i> , 2015 , 26, 604-612	4.4	53
19	The geomorphic legacy of small dams: An Austrian study. <i>Anthropocene</i> , 2015 , 10, 43-55	3.9	26
18	Evaluating sediment storage dams: structural off-site sediment trapping measures in northwest Ethiopia. <i>Cuadernos De Investigacion Geografica</i> , 2015 , 41, 7	2.5	87
17	Evaluating the hydrological component of the new catchment-scale sediment delivery model LAPSUS-D. <i>Geomorphology</i> , 2014 , 212, 97-107	4.3	60
16	Averaging Performance of Capacitance and Time Domain Reflectometry Sensors in Nonuniform Wetted Sand Profiles. <i>Vadose Zone Journal</i> , 2014 , 13, vzt2014.03.0025	2.7	1
15	Effects of controlled fire on hydrology and erosion under simulated rainfall. <i>Cuadernos De Investigacion Geografica</i> , 2014 , 40, 269	2.5	50
14	Landslide model performance in a high resolution small-scale landscape. <i>Geomorphology</i> , 2013 , 190, 73-81	4.3	23
13	Linking landscape morphological complexity and sediment connectivity. <i>Earth Surface Processes and Landforms</i> , 2013 , 38, n/a-n/a	3.7	30
12	Risk assessment by sowing date for barley (<i>Hordeum vulgare</i>) in northern Ethiopia. <i>Agricultural and Forest Meteorology</i> , 2012 , 154-155, 30-37	5.8	27
11	Soil as a filter for groundwater quality. <i>Current Opinion in Environmental Sustainability</i> , 2012 , 4, 507-516	7.2	254

10	Assessing riparian zone impacts on water and sediment movement: a new approach. <i>Geologie En Mijnbouw/Netherlands Journal of Geosciences</i> , 2012 , 91, 245-255	1.1	44
9	Crop coefficient, yield response to water stress and water productivity of teff (<i>Eragrostis tef</i> (Zucc.). <i>Agricultural Water Management</i> , 2011 , 98, 775-783	5.9	52
8	Simulating yield response to water of Teff (<i>Eragrostis tef</i>) with FAO's AquaCrop model. <i>Field Crops Research</i> , 2010 , 116, 196-204	5.5	71
7	A new agro-climatic classification for crop suitability zoning in northern semi-arid Ethiopia. <i>Agricultural and Forest Meteorology</i> , 2010 , 150, 1057-1064	5.8	86
6	SWAT-simulated hydrological impact of land-use change in the Zanjanrood basin, Northwest Iran. <i>Hydrological Processes</i> , 2010 , 24, 892-903	3.3	145
5	Meso-scale catchment sediment budgets: combining field surveys and modeling in the Dragonja catchment, southwest Slovenia. <i>Earth Surface Processes and Landforms</i> , 2009 , 34, 1547-1561	3.7	74
4	Changing sediment dynamics due to natural reforestation in the Dragonja catchment, SW Slovenia. <i>Catena</i> , 2009 , 78, 60-71	5.8	83
3	Evolution of the morphology of the river Dragonja (SW Slovenia) due to land-use changes. <i>Geomorphology</i> , 2005 , 69, 191-207	4.3	102
2	Economics of agroforestry land use system, Upper Blue Nile Basin, northwest Ethiopia. <i>Agroforestry Systems</i> , 1	2	1
1	Sustainable futures over the next decade are rooted in soil science. <i>European Journal of Soil Science</i> ,	3.4	5