

# Gerard Govers

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2339134/publications.pdf>

Version: 2024-02-01

251  
papers

21,414  
citations

8208

78  
h-index

13635

134  
g-index

273  
all docs

273  
docs citations

273  
times ranked

14387  
citing authors

#	ARTICLE	IF	CITATIONS
1	How soil erosion and runoff are related to land use, topography and annual precipitation: Insights from a meta-analysis of erosion plots in China. <i>Science of the Total Environment</i> , 2022, 802, 149665.	3.9	29
2	Rapid soil organic carbon decomposition in river systems: effects of the aquatic microbial community and hydrodynamical disturbance. <i>Biogeosciences</i> , 2021, 18, 1511-1523.	1.3	3
3	Interactions between deforestation, landscape rejuvenation, and shallow landslides in the North Tanganyika Kivu rift region, Africa. <i>Earth Surface Dynamics</i> , 2021, 9, 445-462.	1.0	19
4	How water flow components affect sediment dynamics modeling in a Brazilian catchment. <i>Journal of Hydrology</i> , 2021, 597, 126111.	2.3	4
5	Historical dynamics of landslide risk from population and forest-cover changes in the Kivu Rift. <i>Nature Sustainability</i> , 2021, 4, 965-974.	11.5	27
6	Have land use and land cover change affected soil thickness and weathering degree in a subtropical region in Southern Brazil? Insights from applied mid-infrared spectroscopy. <i>Catena</i> , 2021, 207, 105698.	2.2	4
7	Impact of tourism development on the local livelihoods and land cover change in the Northern Vietnamese highlands. <i>Environment, Development and Sustainability</i> , 2020, 22, 1371-1395.	2.7	39
8	Effects of different tillage practices on the hydraulic resistance of concentrated flow on the Loess Plateau in China. <i>Catena</i> , 2020, 185, 104293.	2.2	7
9	The added value of a regional landslide susceptibility assessment: The western branch of the East African Rift. <i>Geomorphology</i> , 2020, 353, 106886.	1.1	39
10	Slope Gradient Controls Soil Thickness and Chemical Weathering in Subtropical Brazil: Understanding Rates and Timescales of Regional Soilscape Evolution Through a Combination of Field Data and Modeling. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2019JF005321.	1.0	13
11	Parameterization of river incision models requires accounting for environmental heterogeneity: insights from the tropical Andes. <i>Earth Surface Dynamics</i> , 2020, 8, 447-470.	1.0	27
12	<i>In situ</i> assessment of the spatial arrangement of step-pool units on eroded rills. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 2731-2740.	1.2	4
13	Runoff, soil loss, and sources of particulate organic carbon delivered to streams by sugarcane and riparian areas: An isotopic approach. <i>Catena</i> , 2019, 181, 104083.	2.2	27
14	Scale effects of runoff generation under reduced and conventional tillage. <i>Catena</i> , 2019, 176, 1-13.	2.2	20
15	Soil and water conservation measures reduce soil and water losses in China but not down to background levels: Evidence from erosion plot data. <i>Geoderma</i> , 2019, 337, 729-741.	2.3	83
16	Quantification of organic carbon concentrations and stocks of tidal marsh sediments via mid-infrared spectroscopy. <i>Geoderma</i> , 2019, 337, 555-564.	2.3	14
17	Seasonal and inter-annual variations in carbon fluxes in a tropical river system (Tana River, Kenya). <i>Aquatic Sciences</i> , 2018, 80, 1.	0.6	6
18	Check dams and afforestation reducing sediment mobilization in active gully systems in the Andean mountains. <i>Catena</i> , 2018, 165, 42-53.	2.2	30

#	ARTICLE	IF	CITATIONS
19	Long-term organic carbon sequestration in tidal marsh sediments is dominated by old-aged allochthonous inputs in a macrotidal estuary. <i>Global Change Biology</i> , 2018, 24, 2498-2512.	4.2	66
20	Tracking spatial variation in river load from Andean highlands to inter-Andean valleys. <i>Geomorphology</i> , 2018, 308, 175-189.	1.1	20
21	Impacts of forest conversion and agriculture practices on water pathways in Southern Brazil. <i>Hydrological Processes</i> , 2018, 32, 2304-2317.	1.1	17
22	Ge/Si ratios point to increased contribution from deeper mineral weathering to streams after forest conversion to cropland. <i>Applied Geochemistry</i> , 2018, 96, 24-34.	1.4	10
23	Spatial variability of soil water content and soil electrical conductivity across scales derived from Electromagnetic Induction and Time Domain Reflectometry. <i>Geoderma</i> , 2018, 314, 160-174.	2.3	38
24	Life cycle impacts of topsoil erosion on aquatic biota: case study on Eucalyptus globulus forest. <i>International Journal of Life Cycle Assessment</i> , 2017, 22, 159-171.	2.2	3
25	Human-induced erosion has offset one-third of carbon emissions from land cover change. <i>Nature Climate Change</i> , 2017, 7, 345-349.	8.1	149
26	Shifts in the carbon dynamics in a tropical lowland river system (Tana River, Kenya) during flooded and non-flooded conditions. <i>Biogeochemistry</i> , 2017, 132, 141-163.	1.7	19
27	Accurate simulation of transient landscape evolution by eliminating numerical diffusion: the TTLEM1.0 model. <i>Earth Surface Dynamics</i> , 2017, 5, 47-66.	1.0	60
28	Soil conservation in the 21st century: why we need smart agricultural intensification. <i>Soil</i> , 2017, 3, 45-59.	2.2	70
29	Dissolved organic carbon lability and stable isotope shifts during microbial decomposition in a tropical river system. <i>Biogeosciences</i> , 2016, 13, 517-525.	1.3	13
30	Moderate topsoil erosion rates constrain the magnitude of the erosion-induced carbon sink and agricultural productivity losses on the Chinese Loess Plateau. <i>Biogeosciences</i> , 2016, 13, 4735-4750.	1.3	32
31	Controls on soil organic carbon stocks in tidal marshes along an estuarine salinity gradient. <i>Biogeosciences</i> , 2016, 13, 6611-6624.	1.3	50
32	Sediment deposition patterns in a tropical floodplain, Tana River, Kenya. <i>Catena</i> , 2016, 143, 57-69.	2.2	25
33	Vegetation cover and topography rather than human disturbance control gully density and sediment production on the Chinese Loess Plateau. <i>Geomorphology</i> , 2016, 274, 92-105.	1.1	56
34	Deposition and fate of organic carbon in floodplains along a tropical semiarid lowland river (Tana) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	24
35	Simulating the mobility of meteoric <sup>10</sup> Be in the landscape through a coupled soil-hillslope model (Be2D). <i>Earth and Planetary Science Letters</i> , 2016, 439, 143-157.	1.8	32
36	Landscape cultivation alters <sup>30</sup> Si signature in terrestrial ecosystems. <i>Scientific Reports</i> , 2015, 5, 7732.	1.6	18

#	ARTICLE	IF	CITATIONS
37	Amorphous silica mobilization by inter-rill erosion: insights from rainfall experiments. <i>Earth Surface Processes and Landforms</i> , 2015, 40, 1171-1181.	1.2	8
38	Sediment yield of the lower Tana River, Kenya, is insensitive to dam construction: sediment mobilization processes in a semi-arid tropical river system. <i>Earth Surface Processes and Landforms</i> , 2015, 40, 1827-1838.	1.2	23
39	Keeping the edge: A numerical method that avoids knickpoint smearing when solving the stream power law. <i>Journal of Geophysical Research F: Earth Surface</i> , 2015, 120, 1189-1205.	1.0	33
40	Quantifying human impacts on catchment sediment yield: A continental approach. <i>Global and Planetary Change</i> , 2015, 130, 22-36.	1.6	62
41	Factors controlling Si export from soils: A soil column approach. <i>Catena</i> , 2015, 133, 85-96.	2.2	12
42	Predicting the long-term fate of buried organic carbon in colluvial soils. <i>Global Biogeochemical Cycles</i> , 2015, 29, 65-79.	1.9	26
43	Comment on "Rainfall erosivity in Europe" by Panagos et al. ( <i>Sci. Total Environ.</i> , 511, 801-814, 2015). <i>Science of the Total Environment</i> , 2015, 532, 849-852.	3.9	15
44	Dissolved phosphorus transport from soil to surface water in catchments with different land use. <i>Ambio</i> , 2015, 44, 228-240.	2.8	40
45	Transient river response, captured by channel steepness and its concavity. <i>Geomorphology</i> , 2015, 228, 234-243.	1.1	41
46	The fate of buried organic carbon in colluvial soils: a long-term perspective. <i>Biogeosciences</i> , 2014, 11, 873-883.	1.3	52
47	Identifying the Transport Pathways of Dissolved Organic Carbon in Contrasting Catchments. <i>Vadose Zone Journal</i> , 2014, 13, 1-14.	1.3	21
48	Moderate seismic activity affects contemporary sediment yields. <i>Progress in Physical Geography</i> , 2014, 38, 145-172.	1.4	50
49	A mixing model to incorporate uncertainty in sediment fingerprinting. <i>Geoderma</i> , 2014, 217-218, 173-180.	2.3	74
50	Modeling scale-dependent runoff generation in a small semi-arid watershed accounting for rainfall intensity and water depth. <i>Advances in Water Resources</i> , 2014, 69, 65-78.	1.7	13
51	Scratching the Critical Zone: The Global Footprint of Agricultural Soil Erosion. <i>Procedia Earth and Planetary Science</i> , 2014, 10, 313-318.	0.6	25
52	Controls on dissolved organic carbon export through surface runoff from loamy agricultural soils. <i>Geoderma</i> , 2014, 226-227, 387-396.	2.3	37
53	Predicting soil erosion and sediment yield at regional scales: Where do we stand?. <i>Earth-Science Reviews</i> , 2013, 127, 16-29.	4.0	348
54	Transport of Dissolved Si from Soil to River: A Conceptual Mechanistic Model. <i>Silicon</i> , 2013, 5, 115-133.	1.8	17

#	ARTICLE	IF	CITATIONS
55	Estimating the parameters of the Green&Amp;Ampt infiltration equation from rainfall simulation data: Why simpler is better. <i>Journal of Hydrology</i> , 2013, 476, 332-344.	2.3	52
56	Temporal dynamics of bio-available Si fluxes in a temperate forested catchment (Meerdaal forest, Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.7	11
57	Land Transitions in Northwest Vietnam: An Integrated Analysis of Biophysical and Socio-Cultural Factors. <i>Human Ecology</i> , 2013, 41, 37-50.	0.7	48
58	Development and parameterization of an infiltration model accounting for water depth and rainfall intensity. <i>Hydrological Processes</i> , 2013, 27, 3777-3790.	1.1	13
59	Soil organic carbon mobilization by interrill erosion: Insights from size fractions. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 348-360.	1.0	46
60	Dissolved organic carbon concentrations and fluxes correlate with land use and catchment characteristics in a semi-arid drainage basin of Iran. <i>Catena</i> , 2012, 95, 177-183.	2.2	6
61	Impact of vegetation die&Amp;off on spatial flow patterns over a tidal marsh. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	76
62	Complex land cover change, water and sediment yield in a degraded Andean environment. <i>Journal of Hydrology</i> , 2012, 472-473, 25-35.	2.3	56
63	Evaluation of runoff, peak flow and sediment yield for events simulated by the AnnAGNPS model in a belgian agricultural watershed. <i>Land Degradation and Development</i> , 2012, 23, 205-215.	1.8	60
64	How long should we measure? An exploration of factors controlling the inter-annual variation of catchment sediment yield. <i>Journal of Soils and Sediments</i> , 2012, 12, 603-619.	1.5	39
65	Soil functioning and conservation tillage in the Belgian Loam Belt. <i>Soil and Tillage Research</i> , 2012, 122, 1-11.	2.6	28
66	Monitoring environmental change in the Andes based on SPOT-VGT and NOAA-AVHRR time series analysis. , 2011, , .		3
67	Amorphous silica analysis in terrestrial runoff samples. <i>Geoderma</i> , 2011, 167-168, 228-235.	2.3	17
68	Prediction of spatial patterns of collapsed pipes in loess-derived soils in a temperate humid climate using logistic regression. <i>Geomorphology</i> , 2011, 130, 185-196.	1.1	17
69	Food and habitat preferences of the earthworm <i>Lumbricus terrestris</i> L. for cover crops. <i>Pedobiologia</i> , 2011, 54, S139-S144.	0.5	22
70	An exploratory study on the use of enzyme activities as sediment tracers: biochemical fingerprints?. <i>International Journal of Sediment Research</i> , 2011, 26, 136-151.	1.8	37
71	Anthropogenic impact on amorphous silica pools in temperate soils. <i>Biogeosciences</i> , 2011, 8, 2281-2293.	1.3	93
72	Experimental rainfall&Amp;runoff data: Reconsidering the concept of infiltration capacity. <i>Journal of Hydrology</i> , 2011, 399, 255-262.	2.3	51

#	ARTICLE	IF	CITATIONS
73	A trade-off between dissolved and amorphous silica transport during peak flow events (Scheldt river) Tj ETQq1 1 0.784314 rgBT /Overlo catchments. Biogeochemistry, 2011, 106, 475-487.	1.7	22
74	Changing hillslope and fluvial Holocene sediment dynamics in a Belgian loess catchment. Journal of Quaternary Science, 2011, 26, 44-58.	1.1	40
75	Evaluating the impact of soil redistribution on the <i>in situ</i> mineralization of soil organic carbon. Earth Surface Processes and Landforms, 2011, 36, 427-438.	1.2	80
76	Comparing landscape evolution models with quantitative field data at the millennial time scale in the Belgian loess belt. Earth Surface Processes and Landforms, 2011, 36, 1300-1312.	1.2	16
77	Effect of ENSO events on sediment production in a large coastal basin in northern Peru. Earth Surface Processes and Landforms, 2011, 36, 1776-1788.	1.2	24
78	Pattern-process relationships in surface hydrology: hydrological connectivity expressed in landscape metrics. Hydrological Processes, 2011, 25, 3760-3773.	1.1	43
79	Optimizing Earthworm Sampling in Ecosystems. Soil Biology, 2011, , 19-38.	0.6	26
80	Scale effects on runoff and erosion losses from arable land under conservation and conventional tillage: The role of residue cover. Journal of Hydrology, 2010, 390, 143-154.	2.3	89
81	Assessing the effect of soil tillage on crop growth: A meta-regression analysis on European crop yields under conservation agriculture. European Journal of Agronomy, 2010, 33, 231-241.	1.9	221
82	Dependence of effective hydraulic conductivity on rainfall intensity: loamy agricultural soils. Hydrological Processes, 2010, 24, 2257-2268.	1.1	21
83	The impact of agricultural soil erosion on biogeochemical cycling. Nature Geoscience, 2010, 3, 311-314.	5.4	686
84	Reply to "Erosion and climate". Nature Geoscience, 2010, 3, 738-738.	5.4	8
85	The effect of soil redistribution on soil organic carbon: an experimental study. Biogeosciences, 2010, 7, 3971-3986.	1.3	61
86	Historical land use change has lowered terrestrial silica mobilization. Nature Communications, 2010, 1, 129.	5.8	189
87	Adoption of soil conservation practices in Belgium: An examination of the theory of planned behaviour in the agri-environmental domain. Land Use Policy, 2010, 27, 86-94.	2.5	264
88	Rates and spatial variations of soil erosion in Europe: A study based on erosion plot data. Geomorphology, 2010, 122, 167-177.	1.1	561
89	Catchment-scale carbon redistribution and delivery by water erosion in an intensively cultivated area. Geomorphology, 2010, 124, 65-74.	1.1	106
90	Quantification of alluvial sediment storage in contrasting environments: Methodology and error estimation. Catena, 2010, 82, 169-182.	2.2	17

#	ARTICLE	IF	CITATIONS
91	Automated observation and analysis of earthworm surface behaviour under experimental habitat quality and availability conditions. <i>Pedobiologia</i> , 2010, 53, 259-263.	0.5	13
92	Qualitative and quantitative applications of LiDAR imagery in fluvial geomorphology. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 217-231.	1.2	134
93	Evaluation of the PESERA model in two contrasting environments. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 629-640.	1.2	28
94	Vegetation and topographic controls on sediment deposition and storage on gully beds in a degraded mountain area. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 755-767.	1.2	44
95	The implications of data selection for regional erosion and sediment yield modelling. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 1994-2007.	1.2	62
96	Establishing a Holocene sediment budget for the river Dijle. <i>Catena</i> , 2009, 77, 150-163.	2.2	70
97	A temporarily changing Holocene sediment budget for a loess-covered catchment (central Belgium). <i>Geomorphology</i> , 2009, 108, 24-34.	1.1	63
98	Within-field spatial distribution of earthworm populations related to species interactions and soil apparent electrical conductivity. <i>Applied Soil Ecology</i> , 2009, 41, 315-328.	2.1	46
99	Sediment-bound nutrient export from micro-dam catchments in Northern Ethiopia. <i>Land Degradation and Development</i> , 2008, 19, 136-152.	1.8	76
100	The effect of conservation tillage on runoff erosivity and soil erodibility during concentrated flow. <i>Hydrological Processes</i> , 2008, 22, 1497-1508.	1.1	68
101	Evaluation of a dynamic multi-class sediment transport model in a catchment under soil-conservation agriculture. <i>Earth Surface Processes and Landforms</i> , 2008, 33, 1639-1660.	1.2	40
102	Spatial and long-term variability of soil loss due to crop harvesting and the importance relative to water erosion: A case study from Belgium. <i>Agriculture, Ecosystems and Environment</i> , 2008, 126, 217-228.	2.5	10
103	The PESERA coarse scale erosion model for Europe. I. " Model rationale and implementation. <i>European Journal of Soil Science</i> , 2008, 59, 1293-1306.	1.8	188
104	The compatibility of erosion data at different temporal scales. <i>Earth and Planetary Science Letters</i> , 2008, 265, 138-152.	1.8	23
105	Environmental factors controlling spatial variation in sediment yield in a central Andean mountain area. <i>Geomorphology</i> , 2008, 98, 176-186.	1.1	89
106	The response of soil erosion and sediment export to land-use change in four areas of Europe: The importance of landscape pattern. <i>Geomorphology</i> , 2008, 98, 213-226.	1.1	251
107	Spatial analysis of factors controlling the presence of closed depressions and gullies under forest: Application of rare event logistic regression. <i>Geomorphology</i> , 2008, 95, 504-517.	1.1	43
108	Spatially distributed modelling of soil erosion and sediment yield at regional scales in Spain. <i>Global and Planetary Change</i> , 2008, 60, 393-415.	1.6	180

#	ARTICLE	IF	CITATIONS
109	Effects of freshly incorporated straw residue on rill erosion and hydraulics. <i>Catena</i> , 2008, 72, 214-223.	2.2	47
110	Sediment yield variability in Northern Ethiopia: A quantitative analysis of its controlling factors. <i>Catena</i> , 2008, 75, 65-76.	2.2	98
111	Effects of region-wide soil and water conservation in semi-arid areas: the case of northern Ethiopia. <i>Zeitschrift für Geomorphologie</i> , 2008, 52, 291-315.	0.3	49
112	Reconstruction of late-Holocene slope and dry valley sediment dynamics in a Belgian loess environment. <i>Holocene</i> , 2007, 17, 777-788.	0.9	39
113	Characteristics of the size distribution of recent and historical landslides in a populated hilly region. <i>Earth and Planetary Science Letters</i> , 2007, 256, 588-603.	1.8	157
114	Runoff generation in a degraded Andean ecosystem: Interaction of vegetation cover and land use. <i>Catena</i> , 2007, 71, 357-370.	2.2	127
115	Introduction to land use change and geomorphic, soil and water processes in tropical mountain areas. <i>Geomorphology</i> , 2007, 87, 1-3.	1.1	4
116	Spatial variation of suspended sediment concentrations in a tropical Andean river system: The Paute River, southern Ecuador. <i>Geomorphology</i> , 2007, 87, 53-67.	1.1	43
117	Animal-powered tillage erosion assessment in the southern Andes region of Ecuador. <i>Geomorphology</i> , 2007, 87, 4-15.	1.1	41
118	Restoring dense vegetation can slow mountain erosion to near natural benchmark levels. <i>Geology</i> , 2007, 35, 303.	2.0	153
119	The Impact of Agricultural Soil Erosion on the Global Carbon Cycle. <i>Science</i> , 2007, 318, 626-629.	6.0	802
120	Effect of bed topography on soil aggregates transport by rill flow. <i>Earth Surface Processes and Landforms</i> , 2007, 32, 602-611.	1.2	13
121	A sediment budget for a cultivated floodplain in tropical North Queensland, Australia. <i>Earth Surface Processes and Landforms</i> , 2007, 32, 1475-1490.	1.2	4
122	Factors controlling aggregation in a minimum and a conventionally tilled undulating field. <i>European Journal of Soil Science</i> , 2007, 58, 1017-1026.	1.8	20
123	Factors controlling soil loss during sugar beet harvesting at the field plot scale in Belgium. <i>European Journal of Soil Science</i> , 2007, 58, 1400-1409.	1.8	15
124	Conservation tillage on loamy soils: explaining the variability in interrill runoff and erosion reduction. <i>European Journal of Soil Science</i> , 2007, 58, 1425-1436.	1.8	39
125	Soil losses due to potato harvesting at the regional scale in Belgium. <i>Soil Use and Management</i> , 2007, 23, 156-161.	2.6	16
126	Resistance of soils to concentrated flow erosion: A review. <i>Earth-Science Reviews</i> , 2007, 80, 75-109.	4.0	414



#	ARTICLE	IF	CITATIONS
127	Rill erosion: Exploring the relationship between experiments, modelling and field observations. <i>Earth-Science Reviews</i> , 2007, 84, 87-102.	4.0	218
128	Soil loss due to harvesting of various crop types in contrasting agro-ecological environments. <i>Agriculture, Ecosystems and Environment</i> , 2007, 120, 153-165.	2.5	23
129	The Effect of Soil Erosion on Europe's Crop Yields. <i>Ecosystems</i> , 2007, 10, 1209-1219.	1.6	102
130	Interdisciplinary on-site evaluation of stone bunds to control soil erosion on cropland in Northern Ethiopia. <i>Soil and Tillage Research</i> , 2007, 94, 151-163.	2.6	151
131	Responses of a semi-arid landscape to human disturbance: A simulation study of the interaction between rock fragment cover, soil erosion and land use change. <i>Geoderma</i> , 2006, 133, 19-31.	2.3	67
132	Prediction of landslide susceptibility using rare events logistic regression: A case-study in the Flemish Ardennes (Belgium). <i>Geomorphology</i> , 2006, 76, 392-410.	1.1	338
133	Holocene alluvial sediment storage in a small river catchment in the loess area of central Belgium. <i>Geomorphology</i> , 2006, 77, 187-201.	1.1	90
134	Reconstructing ancient topography through erosion modelling. <i>Geomorphology</i> , 2006, 78, 250-264.	1.1	43
135	Spatial variability in crop response under contour hedgerow systems in the Andes region of Ecuador. <i>Soil and Tillage Research</i> , 2006, 86, 15-26.	2.6	46
136	Soil translocation resulting from multiple passes of tillage under normal field operating conditions. <i>Soil and Tillage Research</i> , 2006, 87, 218-230.	2.6	36
137	The effect of tillage direction on soil redistribution by mouldboard ploughing on complex slopes. <i>Soil and Tillage Research</i> , 2006, 88, 225-241.	2.6	37
138	Comment on "Modelling the effect of soil and water conservation practices in Tigray, Ethiopia" [Agric. Ecosyst. Environ. 105 (2005) 29-40]. <i>Agriculture, Ecosystems and Environment</i> , 2006, 114, 407-411.	2.5	22
139	Soil losses due to mechanized potato harvesting. <i>Soil and Tillage Research</i> , 2006, 86, 52-72.	2.6	35
140	Assessment of gully erosion rates through interviews and measurements: a case study from northern Ethiopia. <i>Earth Surface Processes and Landforms</i> , 2006, 31, 167-185.	1.2	125
141	The use of riparian vegetated filter strips to reduce river sediment loads: an overestimated control measure?. <i>Hydrological Processes</i> , 2006, 20, 4259-4267.	1.1	89
142	Reservoirs in Tigray (Northern Ethiopia): characteristics and sediment deposition problems. <i>Land Degradation and Development</i> , 2006, 17, 211-230.	1.8	167
143	Sheet and Rill Erosion. , 2006, , 501-513.		37
144	Tillage Erosion. , 2006, , 599-608.		6

#	ARTICLE	IF	CITATIONS
145	Soil Losses due to Crop Harvesting in Europe. , 2006, , 609-621.		7
146	Pan-European Soil Erosion Assessment and Maps. , 2006, , 659-674.		3
147	Tillage erosion: a review of controlling factors and implications for soil quality. Progress in Physical Geography, 2006, 30, 443-466.	1.4	174
148	Soil erosion as a driver of land-use change. Agriculture, Ecosystems and Environment, 2005, 105, 467-481.	2.5	209
149	Interannual variation of soil losses due to sugar beet harvesting in West Europe. Agriculture, Ecosystems and Environment, 2005, 107, 317-329.	2.5	35
150	Variability in regional wheat yields as a function of climate, soil and economic variables: Assessing the risk of confounding. Agriculture, Ecosystems and Environment, 2005, 110, 195-209.	2.5	59
151	The influence of both process descriptions and runoff patterns on predictions from a spatially distributed soil erosion model. Earth Surface Processes and Landforms, 2005, 30, 213-229.	1.2	32
152	An automated salt-tracing gauge for flow-velocity measurement. Earth Surface Processes and Landforms, 2005, 30, 833-844.	1.2	69
153	Considering spatial distribution and deposition of sediment in lumped and semi-distributed models. Hydrological Processes, 2005, 19, 785-794.	1.1	35
154	Flow paths of water and sediment in a tidal marsh: Relations with marsh developmental stage and tidal inundation height. Estuaries and Coasts, 2005, 28, 338-352.	1.7	104
155	Soil erosion and sediment deposition in the Belgian oess belt during the Holocene: establishing a sediment budget for a small agricultural catchment. Holocene, 2005, 15, 1032-1043.	0.9	84
156	Rainfall erosivity and variability in the Northern Ethiopian Highlands. Journal of Hydrology, 2005, 311, 172-187.	2.3	240
157	Specific sediment yield in Tigray-Northern Ethiopia: Assessment and semi-quantitative modelling. Geomorphology, 2005, 69, 315-331.	1.1	96
158	From water to tillage erosion dominated landform evolution. Geomorphology, 2005, 72, 193-203.	1.1	83
159	River channel response to short-term human-induced change in landscape connectivity in Andean ecosystems. Geomorphology, 2005, 72, 340-353.	1.1	98
160	Spatially distributed data for erosion model calibration and validation: The Ganspoel and Kinderveld datasets. Catena, 2005, 61, 105-121.	2.2	52
161	Landscape-scale modeling of carbon cycling under the impact of soil redistribution: The role of tillage erosion. Global Biogeochemical Cycles, 2005, 19, n/a-n/a.	1.9	144
162	Impact of vegetation on flow routing and sedimentation patterns: Three-dimensional modeling for a tidal marsh. Journal of Geophysical Research, 2005, 110, n/a-n/a.	3.3	250

#	ARTICLE	IF	CITATIONS
163	Effectiveness of stone bunds in controlling soil erosion on cropland in the Tigray Highlands, northern Ethiopia. <i>Soil Use and Management</i> , 2005, 21, 287-297.	2.6	106
164	Longitudinal velocity patterns and bed morphology interaction in a rill. <i>Earth Surface Processes and Landforms</i> , 2004, 29, 105-114.	1.2	87
165	Spatial evaluation of a multi-class sediment transport and deposition model. <i>Earth Surface Processes and Landforms</i> , 2004, 29, 1027-1044.	1.2	58
166	Modelling estuarine variations in tidal marsh sedimentation: response to changing sea level and suspended sediment concentrations. <i>Marine Geology</i> , 2004, 212, 1-19.	0.9	173
167	Indicators for pan-European assessment and monitoring of soil erosion by water. <i>Environmental Science and Policy</i> , 2004, 7, 25-38.	2.4	157
168	The crop productivity-erosion relationship: an analysis based on experimental work. <i>Catena</i> , 2004, 57, 55-76.	2.2	182
169	Simulating the long-term development of levee-basin topography on tidal marshes. <i>Geomorphology</i> , 2004, 63, 39-55.	1.1	56
170	Scale effect on runoff from experimental plots to catchments in agricultural areas in Normandy. <i>Journal of Hydrology</i> , 2004, 299, 4-14.	2.3	184
171	Soil erosion - processes, damages and countermeasures.. , 2004, , 199-217.		10
172	The effectiveness of loose rock check dams for gully control in Tigray, northern Ethiopia. <i>Soil Use and Management</i> , 2004, 20, 55-64.	2.6	91
173	Evaluating the impact of watershed management scenarios on changes in sediment delivery to rivers?. <i>Hydrobiologia</i> , 2003, 494, 153-158.	1.0	17
174	Modelling sediment supply to rivers and reservoirs in Eastern Europe during and after the collectivisation period. <i>Hydrobiologia</i> , 2003, 494, 169-176.	1.0	36
175	Title is missing!. <i>Landscape Ecology</i> , 2003, 18, 1-15.	1.9	87
176	A process-based conversion model for caesium-137 derived erosion rates on agricultural land: an integrated spatial approach. <i>Earth Surface Processes and Landforms</i> , 2003, 28, 187-207.	1.2	67
177	Spatial and temporal factors controlling short-term sedimentation in a salt and freshwater tidal marsh, Scheldt estuary, Belgium, SW Netherlands. <i>Earth Surface Processes and Landforms</i> , 2003, 28, 739-755.	1.2	178
178	Erosion models: quality of spatial predictions. <i>Hydrological Processes</i> , 2003, 17, 887-900.	1.1	272
179	Modelling long-term tidal marsh growth under changing tidal conditions and suspended sediment concentrations, Scheldt estuary, Belgium. <i>Marine Geology</i> , 2003, 193, 151-169.	0.9	172
180	Spatial variability in soil properties on slow-forming terraces in the Andes region of Ecuador. <i>Soil and Tillage Research</i> , 2003, 72, 31-41.	2.6	59

#	ARTICLE	IF	CITATIONS
181	Integrating science, policy and farmers to reduce soil loss and sediment delivery in Flanders, Belgium. <i>Environmental Science and Policy</i> , 2003, 6, 95-103.	2.4	40
182	Linking hydrological, infinite slope stability and land-use change models through GIS for assessing the impact of deforestation on slope stability in high Andean watersheds. <i>Geomorphology</i> , 2003, 52, 299-315.	1.1	154
183	Medium-term gully headcut retreat rates in Southeast Spain determined from aerial photographs and ground measurements. <i>Catena</i> , 2003, 50, 329-352.	2.2	143
184	The impact of environmental change on the intensity and spatial pattern of water erosion in a semi-arid mountainous Andean environment. <i>Catena</i> , 2003, 51, 329-347.	2.2	31
185	Modelling the Geomorphic Response to Land Use Changes. <i>Lecture Notes in Earth Sciences</i> , 2003, , 73-100.	0.5	1
186	Modelling Water and Tillage Erosion using Spatially Distributed Models. <i>Lecture Notes in Earth Sciences</i> , 2003, , 101-121.	0.5	4
187	Data quality and model complexity for regional scale soil erosion prediction. <i>International Journal of Geographical Information Science</i> , 2002, 16, 663-680.	2.2	70
188	Flow Detachment by Concentrated Flow on Smooth and Irregular Beds. <i>Soil Science Society of America Journal</i> , 2002, 66, 1475-1483.	1.2	124
189	Evaluating a single-class net deposition equation in overland flow conditions. <i>Water Resources Research</i> , 2002, 38, 15-1-15-10.	1.7	12
190	Evaluating a multiclass net deposition equation in overland flow conditions. <i>Water Resources Research</i> , 2002, 38, 14-1-14-11.	1.7	14
191	Steady state sediment transport through an area of net deposition: Multisize class solutions. <i>Water Resources Research</i> , 2002, 38, 23-1-23-8.	1.7	24
192	The influence of rainfall on sediment transport by overland flow over areas of net deposition. <i>Journal of Hydrology</i> , 2002, 257, 145-163.	2.3	57
193	Reply to comment on "Statistical and physical analysis of soil detachment by raindrop impact: Rain erosivity indices and threshold energy" by M. Styczen. <i>Water Resources Research</i> , 2002, 38, 3-1-3-2.	1.7	17
194	Modelling land use changes and their impact on soil erosion and sediment supply to rivers. <i>Earth Surface Processes and Landforms</i> , 2002, 27, 481-494.	1.2	109
195	Impact of road building on gully erosion risk: a case study from the Northern Ethiopian Highlands. <i>Earth Surface Processes and Landforms</i> , 2002, 27, 1267-1283.	1.2	193
196	The impact of sowing density of small grains on rill and ephemeral gully erosion in concentrated flow zones. <i>Soil and Tillage Research</i> , 2002, 64, 189-201.	2.6	55
197	Identification of important factors in the process of tillage erosion: the case of mouldboard tillage. <i>Soil and Tillage Research</i> , 2002, 65, 77-93.	2.6	62
198	Soil displacement and tillage erosion during secondary tillage operations: the case of rotary harrow and seeding equipment. <i>Soil and Tillage Research</i> , 2002, 65, 185-191.	2.6	28

#	ARTICLE	IF	CITATIONS
199	Evaluating an integrated approach to catchment management to reduce soil loss and sediment pollution through modelling. <i>Soil Use and Management</i> , 2002, 18, 386-394.	2.6	18
200	Ephemeral gullies. A spatial and temporal analysis of their characteristics, importance and prediction. <i>Belgeo</i> , 2002, , 159-182.	0.1	7
201	Using Monte Carlo Simulation for the Environmental Analysis of Small Archaeologic Datasets, with the Mesolithic in Northeast Belgium as a Case Study. <i>Journal of Archaeological Science</i> , 2001, 28, 661-669.	1.2	18
202	Interaction between bed roughness and flow hydraulics in eroding rills. <i>Water Resources Research</i> , 2001, 37, 791-799.	1.7	116
203	The effect of tillage-induced roughness on runoff and erosion patterns. <i>Geomorphology</i> , 2001, 37, 1-14.	1.1	70
204	The value of a physically based model versus an empirical approach in the prediction of ephemeral gully erosion for loess-derived soils. <i>Geomorphology</i> , 2001, 40, 237-252.	1.1	138
205	The prediction of runoff flow directions on tilled fields. <i>Journal of Hydrology</i> , 2001, 248, 1-13.	2.3	48
206	The effects of tillage displaced soil on soil properties and wheat biomass. <i>Soil and Tillage Research</i> , 2001, 58, 31-44.	2.6	87
207	Correction factors for estimating suspended sediment export from loess catchments. <i>Earth Surface Processes and Landforms</i> , 2001, 26, 441-449.	1.2	23
208	Modelling mean annual sediment yield using a distributed approach. <i>Earth Surface Processes and Landforms</i> , 2001, 26, 1221-1236.	1.2	338
209	Effects of tillage on runoff and erosion patterns. <i>Soil and Tillage Research</i> , 2001, 61, 55-60.	2.6	85
210	The impacts of land use policy on the soil erosion risk: a case study in central Belgium. <i>Agriculture, Ecosystems and Environment</i> , 2001, 83, 83-94.	2.5	54
211	Hydraulics of interrill overland flow on rough, bare soil surfaces. <i>Earth Surface Processes and Landforms</i> , 2000, 25, 1387-1402.	1.2	50
212	Evaluating the effects of changes in landscape structure on soil erosion by water and tillage. <i>Landscape Ecology</i> , 2000, 15, 577-589.	1.9	432
213	Characteristics of sediment deposits formed by intense rainfall events in small catchments in the Belgian Loam Belt. <i>Geomorphology</i> , 2000, 32, 69-82.	1.1	97
214	Sediment export by water from an agricultural catchment in the Loam Belt of central Belgium. <i>Geomorphology</i> , 2000, 33, 25-36.	1.1	137
215	Statistical and physical analysis of soil detachment by raindrop impact: Rain erosivity indices and threshold energy. <i>Water Resources Research</i> , 2000, 36, 2721-2729.	1.7	90
216	Soil roughness and overland flow. <i>Agronomy for Sustainable Development</i> , 2000, 20, 131-146.	0.8	185

#	ARTICLE	IF	CITATIONS
217	A strategy for controlling error of distributed environmental models by aggregation. International Journal of Geographical Information Science, 1999, 13, 577-590.	2.2	25
218	Fine-earth translocation by tillage in stony soils in the Guadalentin, south-east Spain: an investigation using caesium-1341 Paper presented at International Symposium on Tillage Translocation and Tillage Erosion held in conjunction with the 52nd Annual Conference of the Soil and Water Conservation Society, Toronto, Canada. 24â€“25 July, 1997.1. Soil and Tillage Research, 1999, 51, 279-301.	2.6	51
219	Measurement and modelling of the effects of initial soil conditions and slope gradient on soil translocation by tillage1 Paper presented at International Symposium on Tillage Translocation and Tillage Erosion held in conjunction with the 52nd Annual Conference of the Soil and Water Conservation Society, Toronto, Canada. 24â€“25 July, 1997.1. Soil and Tillage Research, 1999, 51, 303-316.	2.6	55
220	Assessment of micro-aggregation using laser diffractometry. Earth Surface Processes and Landforms, 1999, 24, 41-49.	1.2	22
221	Reply to discussion on â€“The European Soil Erosion Model (EUROSEM): a dynamic approach for predicting sediment transport from fields and small catchmentsâ€™. Earth Surface Processes and Landforms, 1999, 24, 567-568.	1.2	14
222	Evaluation of the simple settling theory for predicting sediment deposition by overland flow. Earth Surface Processes and Landforms, 1999, 24, 993-1007.	1.2	31
223	Sediment transport by overland flow over an area of net deposition. , 1999, 13, 2769-2782.		47
224	Variability in Soil Erosion Data from Replicated Plots. Soil Science Society of America Journal, 1999, 63, 1829-1835.	1.2	193
225	Importance of slope gradient and contributing area for optimal prediction of the initiation and trajectory of ephemeral gullies. Catena, 1999, 37, 377-392.	2.2	133
226	Spatial evaluation of a physically-based distributed erosion model (LISEM). Catena, 1999, 37, 431-447.	2.2	154
227	Concentrated flow erosion rates as affected by rock fragment cover and initial soil moisture content. Catena, 1999, 36, 315-329.	2.2	118
228	Man and environment in the territory of Sagalassos, a classical city in SW Turkey. Quaternary Science Reviews, 1999, 18, 697-709.	1.4	74
229	Accuracy assessment of probabilistic visibilities. International Journal of Geographical Information Science, 1999, 13, 709-721.	2.2	16
230	The European Soil Erosion Model (EUROSEM): a dynamic approach for predicting sediment transport from fields and small catchments. Earth Surface Processes and Landforms, 1998, 23, 527-544.	1.2	1,041
231	Field experiments on the transport of rock fragments by animal trampling on scree slopes. Geomorphology, 1998, 23, 193-203.	1.1	32
232	Grain-size analysis by laser diffractometry: comparison with the sieve-pipette method. Catena, 1998, 32, 193-208.	2.2	323
233	Statistical Distributions of Soil Loss from Runoff Plots and WEPP Model Simulations. Soil Science Society of America Journal, 1998, 62, 756-763.	1.2	26
234	Comment on 'Modelling topographic potential for erosion and deposition using GIS'. International Journal of Geographical Information Science, 1997, 11, 603-610.	2.2	23

#	ARTICLE	IF	CITATIONS
235	Patterns of rock fragment cover generated by tillage erosion. <i>Geomorphology</i> , 1997, 18, 183-197.	1.1	166
236	Two-dimensional modelling of the within-field variation in rill and gully geometry and location related to topography. <i>Catena</i> , 1997, 29, 283-306.	2.2	76
237	Erosion processes and landform evolution on agricultural land – new perspectives from caesium-137 measurements and topographic-based erosion modelling. <i>Earth Surface Processes and Landforms</i> , 1997, 22, 799-816.	1.2	85
238	Geomorphic threshold conditions for ephemeral gully incision. <i>Geomorphology</i> , 1996, 16, 161-173.	1.1	264
239	MONITORING SOIL REDISTRIBUTION PATTERNS USING SEQUENTIAL AERIAL PHOTOGRAPHS. <i>Earth Surface Processes and Landforms</i> , 1996, 21, 353-364.	1.2	20
240	SURFACE ROUGHNESS EVOLUTION OF SOILS CONTAINING ROCK FRAGMENTS. <i>Earth Surface Processes and Landforms</i> , 1996, 21, 399-411.	1.2	34
241	THE RELATIVE CONTRIBUTION OF SOIL TILLAGE AND OVERLAND FLOW EROSION TO SOIL REDISTRIBUTION ON AGRICULTURAL LAND. , 1996, 21, 929-946.		160
242	Comparison of routing algorithms for digital elevation models and their implications for predicting ephemeral gullies. <i>International Journal of Geographical Information Science</i> , 1996, 10, 311-331.	2.2	129
243	GIS-based simulation of erosion and deposition patterns in an agricultural landscape: a comparison of model results with soil map information. <i>Catena</i> , 1995, 25, 389-401.	2.2	114
244	The role of tillage in soil redistribution on hillslopes. <i>European Journal of Soil Science</i> , 1994, 45, 469-478.	1.8	321
245	Relationship between discharge, velocity and flow area for rills eroding loose, non-layered materials. <i>Earth Surface Processes and Landforms</i> , 1992, 17, 515-528.	1.2	239
246	A field study on topographical and topsoil effects on runoff generation. <i>Catena</i> , 1991, 18, 91-111.	2.2	39
247	Rill erosion on arable land in Central Belgium: Rates, controls and predictability. <i>Catena</i> , 1991, 18, 133-155.	2.2	143
248	Time-dependency of runoff velocity and erosion the effect of the initial soil moisture profile. <i>Earth Surface Processes and Landforms</i> , 1991, 16, 713-729.	1.2	35
249	Solving the Off-site Impacts of Soil Erosion by an Integrated Environmental Watershed Management?. , 0, , .		0
250	An Alternative Approach to Modelling Sediment Deposition and Related Sorting. , 0, , .		0
251	Soil Erosion by Water and Tillage. <i>Soil Science Society of America Book Series</i> , 0, , 1621-1662.	0.3	3