

Thomas Hoffmann

List of Publications by Year in descending order

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35
papers

2,028
citations

257357

24
h-index

434063

31
g-index

45
all docs

45
docs citations

45
times ranked

2504
citing authors

#	ARTICLE	IF	CITATIONS
1	Holocene river activity: analysing ¹⁴ C-dated fluvial and colluvial sediments from Germany. <i>Quaternary Science Reviews</i> , 2008, 27, 2031-2040.	1.4	150
2	Spatial distribution of sediment storage types and quantification of valley fill deposits in an alpine basin, Reintal, Bavarian Alps, Germany. <i>Geomorphology</i> , 2003, 55, 45-63.	1.1	149
3	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
4	Human impact on fluvial regimes and sediment flux during the Holocene: Review and future research agenda. <i>Global and Planetary Change</i> , 2010, 72, 87-98.	1.6	132
5	From sedimentary records to sediment budgets: Multiple approaches to catchment sediment flux. <i>Geomorphology</i> , 2009, 108, 35-47.	1.1	110
6	Holocene floodplain sediment storage and hillslope erosion within the Rhine catchment. <i>Holocene</i> , 2007, 17, 105-118.	0.9	109
7	Trends and controls of Holocene floodplain sedimentation in the Rhine catchment. <i>Catena</i> , 2009, 77, 96-106.	2.2	103
8	Sediment residence time and connectivity in non-equilibrium and transient geomorphic systems. <i>Earth-Science Reviews</i> , 2015, 150, 609-627.	4.0	101
9	A carbon storage perspective on alluvial sediment storage in the Rhine catchment. <i>Geomorphology</i> , 2009, 108, 127-137.	1.1	90
10	Agricultural soil erosion and global carbon cycle: controversy over?. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 1033-1038.	1.2	81
11	Land use and climatic impacts on the Rhine system (RheinLUCIFS): Quantifying sediment fluxes and human impact with available data. <i>Catena</i> , 2006, 66, 42-52.	2.2	77
12	Sediment connectivity in the high-alpine valley of Val Mütsch, Swiss National Park – linking geomorphic field mapping with geomorphometric modelling. <i>Geomorphology</i> , 2014, 221, 215-229.	1.1	75
13	Carbon burial in soil sediments from Holocene agricultural erosion, Central Europe. <i>Global Biogeochemical Cycles</i> , 2013, 27, 828-835.	1.9	70
14	Assessing the spatial variability of soil organic carbon stocks in an alpine setting (Grindelwald, Swiss Alps). <i>Soil Biology and Biochemistry</i> , 2010, 42, 107-115.	2.3	70
15	Complex fluvial response to Lateglacial and Holocene allogenic forcing in the Lower Rhine Valley (Germany). <i>Quaternary Science Reviews</i> , 2011, 30, 611-627.	1.4	60
16	Assessment of variability and uncertainty of soil organic carbon in a mountainous boreal forest (Canadian Rocky Mountains, Alberta). <i>Catena</i> , 2014, 113, 107-121.	2.2	60
17	Thermocryogenic controls of fracture kinematics in permafrost rockwalls. <i>Geophysical Research Letters</i> , 2017, 44, 3535-3544.	1.5	60
18	Modeling the effect of land use and climate change on water resources and soil erosion in a tropical West African catchment (Dano, Burkina Faso) using SHETRAN. <i>Science of the Total Environment</i> , 2019, 653, 431-445.	3.9	55

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19	Regional-scale controls on the spatial activity of rockfalls (Turtmann Valley, Swiss Alps) – A multivariate modeling approach. <i>Geomorphology</i> , 2017, 287, 29-45.	1.1	50
20	Short Communication: Humans and the missing C-sink: erosion and burial of soil carbon through time. <i>Earth Surface Dynamics</i> , 2013, 1, 45-52.	1.0	43
21	Modeling the impact of climate change on water resources and soil erosion in a tropical catchment in Burkina Faso, West Africa. <i>Catena</i> , 2018, 163, 63-77.	2.2	40
22	Towards a theoretical framework for analyzing integrated socio-environmental systems. <i>Quaternary International</i> , 2012, 274, 259-272.	0.7	33
23	From source to mouth: Basin-scale morphodynamics of the Rhine River. <i>Earth-Science Reviews</i> , 2019, 196, 102830.	4.0	31
24	From point to area: Upscaling approaches for Late Quaternary archaeological and environmental data. <i>Earth-Science Reviews</i> , 2014, 131, 22-48.	4.0	28
25	Applying SHETRAN in a Tropical West African Catchment (Dano, Burkina Faso) – Calibration, Validation, Uncertainty Assessment. <i>Water (Switzerland)</i> , 2017, 9, 101.	1.2	26
26	Postglacial adjustment of steep, low-order drainage basins, Canadian Rocky Mountains. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 2568-2584.	1.0	16
27	Modeling long-term, large-scale sediment storage using a simple sediment budget approach. <i>Earth Surface Dynamics</i> , 2016, 4, 407-423.	1.0	15
28	Refraction seismics. , 2008, , 57-80.		11
29	Multivariate geostatistical modeling of the spatial sediment distribution in a large scale drainage basin, Upper Rhone, Switzerland. <i>Geomorphology</i> , 2018, 303, 375-392.	1.1	9
30	Uncertainty analysis of settling, consolidation and resuspension of cohesive sediments in the Upper Rhine. <i>International Journal of River Basin Management</i> , 2017, 15, 401-411.	1.5	7
31	In-situ measurement of river-bed sediment porosity using Structure-from-Motion image analysis. <i>Geomorphology</i> , 2019, 338, 61-67.	1.1	6
32	Short Communication: Humans and the missing C-sink: erosion and burial of soil carbon through time. , 0, , .		4
33	Terrestrial ecosystems buffer inputs through storage and recycling of elements. <i>Biogeochemistry</i> , 2021, 156, 351-373.	1.7	3
34	Sensitivity of deposition and erosion to bed composition in the Iffezheim reservoir, Germany. , 2016, , 810-816.		2
35	Assessing long-term evolution of the fine sediment budget in the Iffezheim reservoir: temporal upscaling of numerical simulations. <i>International Journal of River Basin Management</i> , 0, , 1-12.	1.5	0