

Michael Maerker

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7483450/publications.pdf>

Version: 2024-02-01

88
papers

4,601
citations

172457

29
h-index

102487

66
g-index

93
all docs

93
docs citations

93
times ranked

5334
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring gully erosion in the European Union: A novel approach based on the Land Use/Cover Area frame survey (LUCAS). <i>International Soil and Water Conservation Research</i> , 2022, 10, 17-28.	6.5	23
2	Assessment of suspended sediment dynamics in a small ungauged badland catchment in the Northern Apennines (Italy) using an in-situ laser diffraction method. <i>Catena</i> , 2022, 209, 105796.	5.0	8
3	Geomorphology of the upper Mkhomazi River basin, KwaZulu-Natal, South Africa, with emphasis on late Pleistocene colluvial deposits. <i>Journal of Maps</i> , 2021, 17, 5-16.	2.0	5
4	Comparison of Topsoil Organic Carbon Stocks on Slopes under Soil-Protecting Forests in Relation to the Adjacent Agricultural Slopes. <i>Forests</i> , 2021, 12, 390.	2.1	9
5	Soil erosion modelling: A bibliometric analysis. <i>Environmental Research</i> , 2021, 197, 111087.	7.5	78
6	Measuring, modelling and managing gully erosion at large scales: A state of the art. <i>Earth-Science Reviews</i> , 2021, 218, 103637.	9.1	111
7	Soil erosion modelling: A global review and statistical analysis. <i>Science of the Total Environment</i> , 2021, 780, 146494.	8.0	261
8	New pedotransfer approaches to predict soil bulk density using WoSIS soil data and environmental covariates in Mediterranean agro-ecosystems. <i>Science of the Total Environment</i> , 2021, 780, 146609.	8.0	29
9	Spatial analysis of hillfort locations in the Chełmno Land (Poland) using digital terrain analysis and stochastic data exploration. <i>Journal of Archaeological Science: Reports</i> , 2021, 39, 103170.	0.5	0
10	Evaluation of Gully Erosion Susceptibility Using a Maximum Entropy Model in the Upper Mkhomazi River Basin in South Africa. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 729.	2.9	13
11	Impact of Agricultural Management in Vineyards to Landslides Susceptibility in Italian Apennines. <i>ICL Contribution To Landslide Disaster Risk Reduction</i> , 2021, , 149-156.	0.3	1
12	A Probabilistic Assessment of Soil Erosion Susceptibility in a Head Catchment of the Jemma Basin, Ethiopian Highlands. <i>Geosciences (Switzerland)</i> , 2020, 10, 248.	2.2	26
13	Assessment of calanchi and rill-interrill erosion susceptibilities using terrain analysis and geostochastics: A case study in the Oltrepo Pavese, Northern Apennines, Italy. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 3025-3041.	2.5	11
14	Assessment of the Dnieper Alluvial Riverbed Stability Affected by Intervention Discharge Downstream of Kaniv Dam. <i>Water (Switzerland)</i> , 2020, 12, 1104.	2.7	14
15	State of the Art in Paleoenvironment Mapping for Modeling Applications in Archeology—Summary, Conclusions, and Future Directions from the PaleoMaps Workshop. <i>Quaternary</i> , 2020, 3, 13.	2.0	6
16	Short-Term GIS Analysis for the Assessment of the Recent Active-Channel Planform Adjustments in a Widening, Highly Altered River: The Scrivia River, Italy. <i>Water (Switzerland)</i> , 2020, 12, 514.	2.7	14
17	Viticulture in the Laetanian Region (Spain) during the Roman Period: Predictive Modelling and Geomatic Analysis. <i>Geosciences (Switzerland)</i> , 2020, 10, 206.	2.2	6
18	Surface Water Quality Analysis Using CORINE Data: An Application to Assess Reservoirs in Poland. <i>Remote Sensing</i> , 2020, 12, 979.	4.0	13

#	ARTICLE	IF	CITATIONS
19	Assessment of calanchi and rill-interrill erosion susceptibility in northern Liguria, Italy: A case study using a probabilistic modelling framework. <i>Geoderma</i> , 2020, 371, 114367.	5.1	18
20	Litho-structure of the Oltrepo Pavese, Northern Apennines (Italy). <i>Journal of Maps</i> , 2019, 15, 382-392.	2.0	7
21	Effects of vineyard soil management on the characteristics of soils and roots in the lower OltrepÃ² Apennines (Lombardy, Italy). <i>Science of the Total Environment</i> , 2019, 693, 133390.	8.0	31
22	Geomorphological processes, forms and features in the surroundings of the Melka Kunture Palaeolithic site, Ethiopia. <i>Journal of Maps</i> , 2019, 15, 797-806.	2.0	12
23	Relationship among soil management, organic matter content and root development along the explorable soil profile in the vineyard. <i>BIO Web of Conferences</i> , 2019, 13, 04021.	0.2	0
24	Identification, characterisation and analysis of the Oltrepo Pavese calanchi in the Northern Apennines (Italy). <i>Geomorphology</i> , 2019, 340, 53-66.	2.6	18
25	Assessment of soil erosion risk in a typical Mediterranean environment using a high resolution RUSLE approach (Portofino promontory, NW-Italy). <i>Journal of Maps</i> , 2019, 15, 356-362.	2.0	23
26	Channel planform changes along the Scrivia River floodplain reach in northwest Italy from 1878 to 2016. <i>Quaternary Research</i> , 2019, 91, 620-637.	1.7	24
27	The role of soil-protecting forests in reducing soil erosion in young glacial landscapes of Northern-Central Poland. <i>Geoderma</i> , 2019, 337, 1227-1235.	5.1	23
28	â€˜The stolen spaceâ€™: A history of channelization, reduction of riverine areas and related management issues. The lower Scrivia River case study (NW Italy). <i>International Journal of Sustainable Development and Planning</i> , 2019, 14, 118-129.	0.7	11
29	Acheulean Sites at Makuyuni (Lake Manyara, Tanzania): Results of Archaeological Fieldwork and Classification of the Lithic Assemblages. <i>African Archaeological Review</i> , 2018, 35, 87-106.	1.4	6
30	Impact of soil surface and subsurface properties on soil saturated hydraulic conductivity in the semi-arid Walnut Gulch Experimental Watershed, Arizona, USA. <i>Geoderma</i> , 2018, 322, 112-120.	5.1	33
31	Assessment of Siltation Processes of the Koronowski Reservoir in the Northern Polish Lowland Based on Bathymetry and Empirical Formulas. <i>Water (Switzerland)</i> , 2018, 10, 1681.	2.7	15
32	Geohazards in the Fjords of Northern Patagonia, Chile. , 2018, , .		1
33	Morphometric terrain analysis to explore present day geohazards and paleolandscape forms and features in the surroundings of the Melka Kunture prehistoric site, Upper Awash Valley, Central Ethiopia. <i>Acta Universitatis Carolinae, Geographica</i> , 2018, 53, 10-19.	0.2	4
34	Paleoenvironmental Research in the Semiarid Lake Manyara Area, Northern Tanzania: A Synopsis. <i>Natural Science in Archaeology</i> , 2018, , 123-138.	1.7	4
35	Assessment of the impacts of clear-cutting on soil loss by water erosion in Italian forests: First comprehensive monitoring and modelling approach. <i>Catena</i> , 2017, 149, 770-781.	5.0	57
36	Sediment transport in headwaters of a volcanic catchmentâ€™Kamchatka Peninsula case study. <i>Frontiers of Earth Science</i> , 2017, 11, 565-578.	2.1	8

#	ARTICLE	IF	CITATIONS
37	Spatio-temporal topsoil organic carbon mapping of a semi-arid Mediterranean region: The role of land use, soil texture, topographic indices and the influence of remote sensing data to modelling. <i>Science of the Total Environment</i> , 2017, 601-602, 821-832.	8.0	122
38	Assessment of hydro-geomorphological hazard potentials in the Chilean semiarid coastal range and its impacts on La Serena city, Coquimbo Region. <i>Natural Hazards</i> , 2017, 88, 431-452.	3.4	8
39	Modelling the topsoil carbon stock of agricultural lands with the Stochastic Gradient Treeboost in a semi-arid Mediterranean region. <i>Geoderma</i> , 2017, 286, 35-45.	5.1	48
40	Assessment of flash floods in a small Mediterranean catchment using terrain analysis and remotely sensed data: a case study in the Torrente Teiro, Liguria, Italy. <i>Zeitschrift für Geomorphologie</i> , 2017, 61, 137-163.	0.8	5
41	Geomorphologic map of the 1st Mutnaya River, Southeastern Kamchatka, Russia. <i>Journal of Mountain Science</i> , 2017, 14, 2373-2390.	2.0	3
42	A TOOLBOX FOR SEDIMENT BUDGET RESEARCH IN SMALL CATCHMENTS. <i>Geography, Environment, Sustainability</i> , 2017, 10, 43-68.	1.3	28
43	ASSESSMENT OF GROUNDWATER RESPONSE AND SOIL MOISTURE FLUCTUATIONS IN THE MUGELLO BASIN (CENTRAL ITALY). <i>Geography, Environment, Sustainability</i> , 2017, 10, 15-27.	1.3	0
44	The Ancient Rural Settlement Structure in the Hinterland of Pompeii Inferred from Spatial Analysis and Predictive Modeling of <i>Villae Rusticae</i> . <i>Geoarchaeology - an International Journal</i> , 2016, 31, 121-139.	1.5	9
45	Comparative analysis of Edge Detection techniques for SAR images. <i>European Journal of Remote Sensing</i> , 2016, 49, 205-224.	3.5	13
46	Exploiting Maximum Entropy method and ASTER data for assessing debris flow and debris slide susceptibility for the Giampileri catchment (north-eastern Sicily, Italy). <i>Earth Surface Processes and Landforms</i> , 2016, 41, 1776-1789.	2.5	52
47	From a stratigraphic sequence to a landscape evolution model: Late Pleistocene and Holocene volcanism, soil formation and land use in the shade of Mount Vesuvius (Italy). <i>Quaternary International</i> , 2016, 394, 155-179.	1.5	31
48	Water erosion susceptibility mapping by applying Stochastic Gradient Treeboost to the Imera Meridionale River Basin (Sicily, Italy). <i>Geomorphology</i> , 2016, 262, 61-76.	2.6	58
49	Increasing Behavioral Flexibility? An Integrative Macro-Scale Approach to Understanding the Middle Stone Age of Southern Africa. <i>Journal of Archaeological Method and Theory</i> , 2016, 23, 623-668.	3.0	45
50	Binary logistic regression versus stochastic gradient boosted decision trees in assessing landslide susceptibility for multiple-occurring landslide events: application to the 2009 storm event in Messina (Sicily, southern Italy). <i>Natural Hazards</i> , 2015, 79, 1621-1648.	3.4	149
51	Vergleich von SVM und Boosted Regression Trees zur Abgrenzung von lakustrinen Sedimenten anhand von multispektralen ASTER Daten und topographischen Parametern im Einzugsgebiet des Manyara Sees. <i>Photogrammetrie, Fernerkundung, Geoinformation</i> , 2015, 2015, 81-94.	1.2	13
52	Multisensoral Topsoil Mapping in the Semiarid Lake Manyara Region, Northern Tanzania. <i>Remote Sensing</i> , 2015, 7, 9563-9586.	4.0	17
53	An integrated assessment of soil erosion dynamics with special emphasis on gully erosion in the Mazayjan basin, southwestern Iran. <i>Natural Hazards</i> , 2015, 79, 25-50.	3.4	85
54	Morphotectonic interpretation of the Makuyuni catchment in Northern Tanzania using DEM and SAR data. <i>Geomorphology</i> , 2015, 248, 427-439.	2.6	26

#	ARTICLE	IF	CITATIONS
55	A simple DEM assessment procedure for gully system analysis in the Lake Manyara area, northern Tanzania. <i>Natural Hazards</i> , 2015, 79, 235-253.	3.4	22
56	Modelling Post-Tree-Harvesting Soil Erosion and Sediment Deposition Potential in the Turano River Basin (Italian Central Apennine). <i>Land Degradation and Development</i> , 2015, 26, 356-366.	3.9	92
57	Análisis integrado de las condiciones de amenaza natural en el medio ambiente costero semi-árido de Chile. La Serena, Coquimbo. <i>Boletín De La Asociación De Geógrafos Españoles</i> , 2015, , .	0.3	2
58	The Delineation of Paleo-Shorelines in the Lake Manyara Basin Using TerraSAR-X Data. <i>Remote Sensing</i> , 2014, 6, 2195-2212.	4.0	35
59	A test of transferability for landslides susceptibility models under extreme climatic events: application to the Messina 2009 disaster. <i>Natural Hazards</i> , 2014, 74, 1951-1989.	3.4	67
60	Gully erosion susceptibility assessment by means of GIS-based logistic regression: A case of Sicily (Italy). <i>Geomorphology</i> , 2014, 204, 399-411.	2.6	265
61	Modeling soil erosion and river sediment yield for an intermountain drainage basin of the Central Apennines, Italy. <i>Catena</i> , 2014, 114, 45-58.	5.0	80
62	Analysis of Post-Burial Soil Developments of Pre-AD 79 Roman Paleosols near Pompeii (Italy). <i>Open Journal of Soil Science</i> , 2014, 04, 337-356.	0.8	3
63	A GIS-based approach for gully erosion susceptibility modelling: a test in Sicily, Italy. <i>Environmental Earth Sciences</i> , 2013, 70, 1179-1195.	2.7	99
64	Modeling the spatial distribution of AD 79 pumice fallout and pyroclastic density current and derived deposits of Somma-Vesuvius (Campania, Italy) integrating primary deposition and secondary redistribution. <i>Bulletin of Volcanology</i> , 2013, 75, 1.	3.0	7
65	Biotic controls on shallow translational landslides. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 198-212.	2.5	11
66	Assessment of Natural Hazards and Vulnerability in the Rio Copiapó ³ Catchment: A case study in the ungauged Quebrada Cinchado Catchment. <i>Investigaciones Geográficas</i> , 2013, , 17.	0.1	5
67	How can statistical models help to determine driving factors of landslides?. <i>Ecological Modelling</i> , 2012, 239, 27-39.	2.5	258
68	Evaluación de la amenaza natural en ambiente semi-árido, sustentada en la geomorfología y el modelamiento de índices topográficos. Salamanca, Región de Coquimbo, Chile. <i>Investigaciones Geográficas</i> , 2012, , 19.	0.1	5
69	Characterization of the pre-AD 79 Roman paleosol south of Pompeii (Italy): Correlation between soil parameter values and paleo-topography. <i>Geoderma</i> , 2011, 160, 548-558.	5.1	15
70	A functional entity approach to predict soil erosion processes in a small Plio-Pleistocene Mediterranean catchment in Northern Chianti, Italy. <i>Geomorphology</i> , 2011, 125, 530-540.	2.6	66
71	Relación entre el cambio de uso del suelo en la cuenca del Aconcagua y su litoral arenoso correlativo: Chile central. <i>Revista De Geografía Norte Grande</i> , 2011, , 187-202.	0.2	2
72	Revised modelling of the post-AD 79 volcanic deposits of Somma-Vesuvius to reconstruct the pre-AD 79 topography of the Sarno River plain (Italy). <i>Geologica Carpathica</i> , 2011, 62, 5-16.	0.7	22

#	ARTICLE	IF	CITATIONS
73	Evaluaci3n de la p3rdida de suelo, asociada al proceso de expansi3n urbana y reconversi3n productiva: Caso: comunas de Los Andes, Quillota y Conc3n, valle del Aconcagua. Revista De Geografia Norte Grande, 2010, , .	0.2	2
74	Aspectos geodin3micos de un paleoestuario del desierto marginal de Chile: R3o Copiap3. Revista De Geografia Norte Grande, 2010, , .	0.2	2
75	Reconstructing the Roman topography and environmental features of the Sarno River Plain (Italy) before the AD 79 eruption of Somma3Vesuvius. Geomorphology, 2010, 115, 67-77.	2.6	32
76	The role of culture in early expansions of humans 3A A new research center. Quaternary International, 2010, 223-224, 429-430.	1.5	8
77	Impacto en la geodin3mica actual del valle de Nantoco, cuenca del r3o Copiap3, asociado a la reconversi3n productiva. Revista De Geografia Norte Grande, 2009, , 81-99.	0.2	7
78	Soil organic carbon concentrations and stocks on Barro Colorado Island 3Digital soil mapping using Random Forests analysis. Geoderma, 2008, 146, 102-113.	5.1	511
79	Assessment of land degradation susceptibility by scenario analysis: A case study in Southern Tuscany, Italy. Geomorphology, 2008, 93, 120-129.	2.6	66
80	Simulation of soil erosion and deposition in a changing land use: A modelling approach to implement the support practice factor. Geomorphology, 2008, 99, 329-340.	2.6	48
81	Future long-term changes in global water resources driven by socio-economic and climatic changes. Hydrological Sciences Journal, 2007, 52, 247-275.	2.6	706
82	Procesos geodin3micos actuales en ambiente de media y baja monta3a: Borde meridional de la cuenca del r3o Maipo, Regi3n Metropolitana de Santiago. Revista De Geografia Norte Grande, 2006, , .	0.2	3
83	Scenarios of freshwater fish extinctions from climate change and water withdrawal. Global Change Biology, 2005, 11, 1557-1564.	9.5	394
84	Delineation of erosion classes in semi-arid southern African grasslands using vegetation indices from optical remote sensing data. Hydrological Processes, 2003, 17, 917-928.	2.6	18
85	Integrating geographical information systems, remote sensing, ground truthing and modelling approaches for regional erosion classification of semi-arid catchments in South Africa. Hydrological Processes, 2003, 17, 929-942.	2.6	42
86	Gully erosion modelling and landscape response in the Mbuluzi River catchment of Swaziland. Catena, 2003, 50, 507-525.	5.0	58
87	Explorative Spatial Analysis of Neandertal Sites using Terrain Analysis and Stochastic Environmental Modelling. GI_Forum, 0, 1, 21-38.	0.2	2
88	Digital Data and Tools in Archaeology: The ROCEEH Out of Africa Database (ROAD). GI_Forum, 0, 1, 3-12.	0.2	0