MatjaÅ¾ MikoÅ¡

List of Publications by Year
in descending order

120 papers	2,141 citations	270111 25 h-index	312153 41 g-index
128 all docs	128 docs citations	128 times ranked	2069 citing authors

#	Article	IF	Citations
1	Outreach and Post-Publication Impact of Soil Erosion Modelling Literature. Sustainability, 2022, 14, 1342.	1.6	1
2	Changes in the rainfall event characteristics above the empirical global rainfall thresholds for landslide initiation at the pan-European level. Landslides, 2021, 18, 1859-1873.	2.7	7
3	Debris Flow Modelling Using RAMMS Model in the Alpine Environment With Focus on the Model Parameters and Main Characteristics. Frontiers in Earth Science, 2021, 8, .	0.8	14
4	Rockfall Modelling in Forested Areas: The Role of Digital Terrain Model Grid Cell Size. Applied Sciences (Switzerland), 2021, 11, 1461.	1.3	6
5	Modeling and Classification of Alluvial Fans with DEMs and Machine Learning Methods: A Case Study of Slovenian Torrential Fans. Remote Sensing, 2021, 13, 1711.	1.8	2
6	Soil erosion modelling: A bibliometric analysis. Environmental Research, 2021, 197, 111087.	3.7	78
7	After 2000 StoÅ¾e Landslide: Part II - Development of landslide disaster risk reduction policy in Slovenia. Acta Hydrotechnica, 2021, , 39-59.	0.4	4
8	Reanalysis of Soil Moisture Used for Rainfall Thresholds for Rainfall-Induced Landslides: The Italian Case Study. Water (Switzerland), 2021, 13, 1977.	1.2	6
9	Soil erosion modelling: A global review and statistical analysis. Science of the Total Environment, 2021, 780, 146494.	3.9	261
10	An in-depth statistical analysis of the rainstorms erosivity in Europe. Catena, 2021, 206, 105577.	2.2	23
11	Investigation of potential debris flows above the KoroÅ¡ka Bela settlement, NW Slovenia, from hydro-technical and conceptual design perspectives. Landslides, 2021, 18, 3891-3906.	2.7	7
12	Spatial and Temporal Variability in Rainfall Erosivity Under Alpine Climate: A Slovenian Case Study Using Optical Disdrometer Data. Frontiers in Environmental Science, 2021, 9, .	1.5	5
13	Climate Change Impact Evaluation on the Water Balance of the KoroÅ¡ka Bela Area, NW Slovenia. ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 221-228.	0.3	3
14	The ICL Journal Landslidesâ€"16ÂYears of Capacity Development for Landslide Risk Reduction. ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 163-177.	0.3	1
15	Landslides in Weathered Flysch: From Activation to Deposition (WCoE 2017â€"2020). ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 235-240.	0.3	0
16	An extreme May 2018 debris flood case study in northern Slovenia: analysis, modelling, and mitigation. Landslides, 2020, 17, 2373-2383.	2.7	14
17	Reconstruction of past rainfall erosivity and trend detection based on the REDES database and reanalysis rainfall. Journal of Hydrology, 2020, 590, 125372.	2.3	30
18	Changes in the Compound Drought and Extreme Heat Occurrence in the 1961â€"2018 Period at the European Scale. Water (Switzerland), 2020, 12, 3543.	1.2	18

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19	Registered speakers in the Fifth World Landslide Forum (WLF5). Landslides, 2020, 17, 725-751.	2.7	1
20	After 2000 StoÅ¾e Landslide: Part I â€“ Development in landslide research in Slovenia. Acta Hydrotechnica, 2020, , 129-153.	0.4	4
21	Faculty of Civil and Geodetic Engineering, University of Ljubljana. Landslides, 2019, 16, 1815-1819.	2.7	5
22	Peter T. Bobrowsky and Brian Marker: Encyclopedia of Engineering Geology, Springer Nature Switzerland, AG 2018, 978 p.. Landslides, 2019, 16, 1619-1620.	2.7	0
23	Registered speakers in the Fifth World Landslide Forum. Landslides, 2019, 16, 1595-1611.	2.7	2
24	Determination of Spatial and Temporal Variability of Soil Hydraulic Conductivity for Urban Runoff Modelling. Water (Switzerland), 2019, 11, 941.	1.2	8
25	Application of hydrological modelling for temporal prediction of rainfall-induced shallow landslides. Landslides, 2019, 16, 1273-1283.	2.7	23
26	Invited and accepted speakers of the Fifth World Landslide Forum in Kyoto, 2020. Landslides, 2019, 16, 431-446.	2.7	3
27	Investigation of Trends, Temporal Changes in Intensity-Duration-Frequency (IDF) Curves and Extreme Rainfall Events Clustering at Regional Scale Using 5 min Rainfall Data. Water (Switzerland), 2019, 11, 2167.	1.2	4
28	Impact of a Random Sequence of Debris Flows on Torrential Fan Formation. Geosciences (Switzerland), 2019, 9, 64.	1.0	11
29	New Method for Estimating Fractal Dimension in 3D Space and Its Application to Complex Surfaces. International Journal on Advanced Science, Engineering and Information Technology, 2019, 9, 2154-2159.	0.2	4
30	New Method of Visibility Network and Statistical Pattern Network Recognition Usage in Terrain Surfaces. Materials and Geoenvironment, 2019, 66, 13-25.	0.4	2
31	TXT-tool 4.386-1.1: State-of-the-Art Overview on Landslide Disaster Risk Reduction in Slovenia. , 2018, , 683-691.		3
32	TXT-tool 3.386-1.1: Two-Dimensional Debris-Flow Modelling and Topographic Data. , 2018, , 235-250.		3
33	3rd Regional Symposium on Landslides in the Adriatic-Balkan Region (3rd ReSyLAB)â€"a final report. Landslides, 2018, 15, 381-384.	2.7	5
34	TXT-tool 2.386-1.1 Intensity-Duration-Frequency Curves for Rainfall-Induced Shallow Landslides and Debris Flows Using Copula Functions. , 2018, , 425-431.		3
35	TXT-tool 2.386-1.2: Practice Guidelines on Monitoring and Warning Technology for Debris Flows. , 2018, , 567-585.		3
36	Design Rainfall in Engineering Applications with Focus on the Design Discharge. , 2018, , .		3

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37	Impact of the Rainfall Duration and Temporal Rainfall Distribution Defined Using the Huff Curves on the Hydraulic Flood Modelling Results. Geosciences (Switzerland), 2018, 8, 69.	1.0	29
38	Rainfall erosivity in Slovenia: Sensitivity estimation and trend detection. Environmental Research, 2018, 167, 528-535.	3.7	18
39	The bibliometric impact of books published by the International Consortium on Landslides. Landslides, 2018, 15, 1459-1482.	2.7	7
40	Geomorphic response detection and quantification in a steep forested torrent. Geomorphology, 2017, 291, 33-44.	1.1	17
41	Advancing Culture of Living with Landslides. , 2017, , .		8
42	The Fourth World Landslide Forum, Ljubljana, 2017. Landslides, 2017, 14, 1843-1854.	2.7	13
43	3rd Regional Symposium on Landslides in the Adriatic-Balkan Region â€“ Ljubljana, Slovenia. Landslides, 2017, 14, 1855-1856.	2.7	3
44	Landslides: a top international journal in geological engineering and engineering geology?. Landslides, 2017, 14, 1827-1838.	2.7	8
45	The variety of landslide forms in Slovenia and its immediate NW surroundings. Landslides, 2017, 14, 1537-1546.	2.7	24
46	The 4th World Landslide Forum: Landslide Research and Risk Reduction for Advancing the Culture of Living with Natural Hazards. International Journal of Disaster Risk Science, 2017, 8, 498-502.	1.3	21
47	Estimation of Suspended Sediment Loads Using Copula Functions. Water (Switzerland), 2017, 9, 628.	1.2	31
48	Influence of Raindrop Size Distribution on Throughfall Dynamics under Pine and Birch Trees at the Rainfall Event Level. Atmosphere, 2017, 8, 240.	1.0	29
49	Mechanisms of Landslides and Creep in Over-Consolidated Clays and Flysch (WCoE 2014â€“2017). , 2017, , 279-289.		1
50	The 4th World Landslide Forum - Call for Papers. Landslides, 2016, 13, 833-838.	2.7	2
51	Copula-based IDF curves and empirical rainfall thresholds for flash floods and rainfall-induced landslides. Journal of Hydrology, 2016, 541, 272-284.	2.3	82
52	Analyses of suspended sediment loads in Slovenian rivers. Hydrological Sciences Journal, 2016, 61, 1094-1108.	1.2	12
53	Longitudinal profies of torrential channels in the Western Karavanke mountains. Geologija, 2016, 59, 273-286.	0.1	2
54	HPP Vrhovo operation under reservoir sediment management. , 2016, , 1127-1131.		0

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55	Estimation of soil loss by the WATEM/SEDEM model using an automatic parameter estimation procedure. Environmental Earth Sciences, 2015, 74, 5245-5261.	1.3	37
56	The 4th World Landslide Forum - Call for Abstracts. Landslides, 2015, 12, 1235-1240.	2.7	1
57	Landslides: review of achievements in the second 5-year period (2009â€“2013). Landslides, 2015, 12, 213-223.	2.7	28
58	Environment Protection and University Technical Curriculum. Geodetski Vestnik, 2015, 59, 056-070.	0.2	0
59	Variety of the guiding image of rivers â€“ defined for ecologically relevant habitat features at the meeting of the alpine, mediterranean, lowland and karst regions. Ecological Engineering, 2015, 81, 373-386.	1.6	6
60	A catchment as a simple dynamical system: Characterization by the streamflow component approach. Journal of Hydrology, 2015, 527, 794-808.	2.3	8
61	The 4th World Landslide Forum - First Announcement.. Landslides, 2015, 12, 827-830.	2.7	0
62	Determination of Large Wood Accumulation in a Steep Forested Torrent Using Laser Scanning. , 2015, , 127-130.		8
63	Are Torrent Check-Dams Potential Debris-Flow Sources?. , 2015, , 485-488.		6
64	Assessment of the protective function of forests against debris flows in a gorge of the Slovenian Alps. IForest, 2015, 8, 73-81.	0.5	16
65	Institutional repository as an important part of scholarly communication. Library Hi Tech, 2014, 32, 423-434.	3.7	14
66	Reinforced concrete shafts for the structural mitigation of large deep-seated landslides: an experience from the Macesnik and the Slano blato landslides (Slovenia). Landslides, 2014, 11, 81-91.	2.7	22
67	Trivariate Frequency Analyses of Peak Discharge, Hydrograph Volume and Suspended Sediment Concentration Data Using Copulas. Water Resources Management, 2014, 28, 2195-2212.	1.9	60
68	The impact of flow regulation by hydropower dams on the periphyton community in the SoÄa River, Slovenia. Hydrological Sciences Journal, 2014, 59, 1032-1045.	1.2	29
69	A comparative study of cross-domain research output and citations: Research impact cubes and binary citation frequencies. Journal of Informetrics, 2014, 8, 147-161.	1.4	8
70	WCoE: Mechanisms of Landslides in Over-Consolidated Clays and Flysch and IPL-151 Project: Soil Matrix Suction in Active Landslides in Flyschâ€"The Slano Blato Landslide Case. , 2014, , 143-148.		4
71	Concrete Torrent Check-Dams and Debris-Flow Magnitudes. , 2014, , 51-56.		1
72	Introduction: International Programme on Landslidesâ€"IPL. , 2014, , 71-74.		0

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73	The ICL Adriatic-Balkan Network: analysis of current state and planned activities. Landslides, 2013, 10, 103-109.	2.7	11
74	Detecting flooded areas with machine learning techniques: case study of the SelÅ¡ka Sora river flash flood in September 2007. Journal of Applied Remote Sensing, 2013, 7, 073564.	0.6	27
75	Topographic Data and Numerical Debris-Flow Modeling. , 2013, , 573-578.		4
76	Earthquake-Induced Landslides in Slovenia: Historical Evidence and Present Analyses. , 2013, , 225-233.		6
77	Alpine hazard and risk management in protected areas: the case of the Triglav national park, Slovenia. Geodetski Vestnik, 2013, 57, 112-124.	0.2	1
78	Application of an Instrumented Tracer in an Abrasion Mill for Rock Abrasion Studies. Strojniski Vestnik/Journal of Mechanical Engineering, 2012, 58, 263-270.	0.6	8
79	Testing of Concrete Abrasion Resistance in Hydraulic Structures on the Lower Sava River. Strojniski Vestnik/Journal of Mechanical Engineering, 2012, 58, 245-254.	0.6	23
80	The ICL landslide monitoring and warning thematic network. Landslides, 2012, 9, 565-569.	2.7	6
81	Digital terrain models and mathematical modelling of debris flows. Geodetski Vestnik, 2012, 56, 826-837.	0.2	6
82	Statistical and demographic analysis of geodesy students apprentices in Slovenia in the period from 2008 to 2011. Geodetski Vestnik, 2012, 56, 513-533.	0.2	0
83	The Stogovce landslide in SW Slovenia triggered during the September 2010 extreme rainfall event. Landslides, 2011, 8, 499-506.	2.7	28
84	Landslides: A state-of-the art on the current position in the landslide research community. Landslides, 2011, 8, 541-551.	2.7	9
85	Public perception and stakeholder involvement in the crisis management of sedimentâ€related disasters and their mitigation: The case of the StoÅ¾e debris flow in NW Slovenia. Integrated Environmental Assessment and Management, 2011, 7, 216-227.	1.6	14
86	Integrated water management and regionalisation of the Republic of Slovenia. Geodetski Vestnik, 2011, 55, 518-529.	0.2	3
87	Analysis of floods using satellite images â€“ case study of the 2007 torrential flood in the SelÅ¡ka valley. Geodetski Vestnik, 2011, 55, 483-494.	0.2	0
88	Seasonal variability of diurnal in-stream nitrate concentration oscillations under hydrologically stable conditions. Biogeochemistry, 2010, 97, 123-140.	1.7	44
89	The rainfall kinetic energyâ€“intensity relationship for rainfall erosivity estimation in the mediterranean part of Slovenia. Journal of Hydrology, 2010, 391, 314-321.	2.3	78
90	Hydromorphological Classification of Slovenian Rivers. Acta Geographica Slovenica, 2010, 50, 201-229.	0.3	4

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91	Modeling of a debris flow from the Hrenovec torrential watershed above the village of Kropa. Acta Geographica Slovenica, 2010, 50, 59-84.	0.3	8
92	Sarib. , 2010, , 389-428.		0
93	Characteristics of the extreme rainfall event and consequent flash floods in W Slovenia in September 2007. Natural Hazards and Earth System Sciences, 2009, 9, 947-956.	1.5	33
94	Mechanisms of landslides in over-consolidated clays and flysch. Landslides, 2009, 6, 367-371.	2.7	24
95	Boundary conditions of morphodynamic processes in the Mura River in Slovenia. Catena, 2009, 79, 265-276.	2.2	10
96	Abrasion Resistance of Concrete in Hydraulic Structures. ACI Materials Journal, 2009, 106, .	0.3	7
97	Application of GIS tools for LeÃ§a River Basin soil erosion (Northern Portugal) evaluation. , 2009, , .		2
98	Flushing of nitrate from a forested watershed: An insight into hydrological nitrate mobilization mechanisms through seasonal high-frequency stream nitrate dynamics. Journal of Hydrology, 2008, 354, 187-202.	2.3	82
99	Rainfall interception by two deciduous Mediterranean forests of contrasting stature in Slovenia. Agricultural and Forest Meteorology, 2008, 148, 121-134.	1.9	99
100	Assessment of hydrological and seasonal controls over the nitrate flushing from a forested watershed using a data mining technique. Hydrology and Earth System Sciences, 2008, 12, 645-656.	1.9	9
101	Koro{ka Bela alluvial fan â€“ The result of the catastrophic slope events;Karavanke Mountains, NW	0.1	20
102	Slope mass movements on SPOT satellite images: A case of the Å½elezniki area (W Slovenia) after flash floods in September 2007. Geologija, 2008, 51, 235-243.	0.1	2
103	Delineation of risk area in Log pod Mangartom due to debris flows from the StoÅ¾e landslide. Acta Geographica Slovenica, 2007, 47, 171-198.	0.3	21
104	Case Study: Numerical Simulations of Debris Flow below StoÅ¾e, Slovenia. Journal of Hydraulic Engineering, 2006, 132, 121-130.	0.7	34
105	Rainfall and runoff erosivity in the alpine climate of north Slovenia: a comparison of different estimation methods. Hydrological Sciences Journal, 2006, 51, 115-126.	1.2	41
106	Numerical simulation of debris flows triggered from the Strug rock fall source area, W Slovenia. Natural Hazards and Earth System Sciences, 2006, 6, 261-270.	1.5	17
107	Strug landslide in W Slovenia: A complex multi-process phenomenon. Engineering Geology, 2006, 83, 22-35.	2.9	28
108	Sediment production and delivery from recent large landslides and earthquake-induced rock falls in the Upper SoÄa River Valley, Slovenia. Engineering Geology, 2006, 86, 198-210.	2.9	46

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109	Estimation of magnitudes of debris flows in selected torrential watersheds in Slovenia. Acta Geographica Slovenica, 2006, 46, 93-123.	0.3	23
110	Using a laser measurement system for monitoring morphological changes on the Strug rock fall, Slovenia. Natural Hazards and Earth System Sciences, 2005, 5, 143-153.	1.5	34
111	History and present state of the Slano Blato landslide. Natural Hazards and Earth System Sciences, 2005, 5, 447-457.	1.5	31
112	Stepwise mitigation of the Macesnik landslide, N Slovenia. Natural Hazards and Earth System Sciences, 2005, 5, 947-958.	1.5	9
113	Computer simulation of stone falls and rockfalls. Acta Geographica Slovenica, 2005, 45, 93-120.	0.3	12
114	Hydrologic conditions responsible for triggering the StoÅ¾e landslide, Slovenia. Engineering Geology, 2004, 73, 193-213.	2.9	64
115	Estimating theRfactor from daily rainfall data in the sub-Mediterranean climate of southwest Slovenia / Estimation du facteurRÃ partir de donnÃ©es journaliÃ¨res de pluie dans le climat sub-mÃ©diterranÃ©en du Sud-Ouest de la SlovÃ©nie. Hydrological Sciences Journal, 2004, 49, .	1.2	47
116	Slovenian and European legal stipulations concerning protection and rehabilitation of river corridors. Urbani Izziv, 2003, 14, 122-128.	0.2	0
117	Renewal or rehabilitation of urban river and stream corridors. Urbani Izziv, 2001, 12, 141-144.	0.2	0
118	Fluvial Abrasion: Converting Size Reduction Coefficients into Weight Reduction Rates. Journal of Sedimentary Research, 1995, Vol. 65A, .	0.8	2
119	Experiments on motion of sediment mixtures in a tumbling mill to study fluvial abrasion. Journal of Hydraulic Research/De Recherches Hydrauliques, 1995, 33, 751-772.	0.7	14
120	The downstream fining of gravel-bed sediments in the Alpine Rhine River. , 1994, , 93-108.		13