Maria Papathoma-Khle

List of Publications by Citations

30 papers	1,330 citations	20 h-index	31 g-index
31 ext. papers	1,576 ext. citations	4.4 avg, IF	4.92 L-index

#	Paper	IF	Citations
30	Assessing physical vulnerability for multi-hazards using an indicator-based methodology. *Applied Geography*, **2012**, 32, 577-590	4.4	158
29	Physical vulnerability assessment for alpine hazards: state of the art and future needs. *Natural Hazards*, **2011**, 58, 645-680	3	158
28	Improvement of vulnerability curves using data from extreme events: debris flow event in South Tyrol. *Natural Hazards*, **2012**, 64, 2083-2105	3	94
27	Tsunami vulnerability assessment and its implications for coastal hazard analysis and disaster management planning, Gulf of Corinth, Greece. *Natural Hazards and Earth System Sciences*, **2003**, 3, 733-747	3.9	91
26	Matrices, curves and indicators: A review of approaches to assess physical vulnerability to debris flows. *Earth-Science Reviews*, **2017**, 171, 272-288	10.2	86
25	Assessing tsunami vulnerability, an example from Herakleio, Crete. *Natural Hazards and Earth System Sciences*, **2003**, 3, 377-389	3.9	82
24	Loss estimation for landslides in mountain areas An integrated toolbox for vulnerability assessment and damage documentation. *Environmental Modelling and Software*, **2015**, 63, 156-169	5.2	75
23	Elements at risk as a framework for assessing the vulnerability of communities to landslides. *Natural Hazards and Earth System Sciences*, **2007**, 7, 765-779	3.9	72
22	Validating a Tsunami Vulnerability Assessment Model (the PTVA Model) Using Field Data from the 2004 Indian Ocean Tsunami. *Natural Hazards*, **2007**, 40, 113-136	3	70
21	Probabilistic assessment of vulnerability to landslide: Application to the village of Lichtenstein, Baden-Württemberg, Germany. *Engineering Geology*, **2008**, 101, 33-48	6	53
20	Vulnerability curves vs. vulnerability indicators: application of an indicator-based methodology for debris-flow hazards. *Natural Hazards and Earth System Sciences*, **2016**, 16, 1771-1790	3.9	51
19	Estimating probable maximum loss from a Cascadia tsunami. *Natural Hazards*, **2010**, 53, 43-61	3	39
18	Quantification of model uncertainty in debris flow vulnerability assessment. *Engineering Geology*, **2014**, 181, 15-26	6	38
17	The importance of indicator weights for vulnerability indices and implications for decision making in disaster management. *International Journal of Disaster Risk Reduction*, **2019**, 36, 101103	4.5	34
16	Recent advances in vulnerability assessment for the built environment exposed to torrential hazards: Challenges and the way forward. *Journal of Hydrology*, **2019**, 575, 587-595	6	32
15	Drivers and barriers of adaptation initiatives - How societal transformation affects natural hazard management and risk mitigation in Europe. *Science of the Total Environment*, **2019**, 650, 1073-1082	10.2	31
14	Vulnerability indicators for natural hazards: an innovative selection and weighting approach. *Scientific Reports*, **2019**, 9, 15026	4.9	30

13	Short communication: A model to predict flood loss in mountain areas. *Environmental Modelling and Software*, **2019**, 117, 176-180	5.2	23
12	Experimental analyses of impact forces on buildings exposed to fluvial hazards. *Journal of Hydrology*, **2018**, 565, 1-13	6	21
11	A Common Methodology for Risk Assessment and Mapping of Climate Change Related Hazards□Implications for Climate Change Adaptation Policies. *Climate*, **2016**, 4, 8	3.1	20
10	Understanding impact dynamics on buildings caused by fluviatile sediment transport. *Geomorphology*, **2018**, 321, 45-59	4.3	16
9	A common methodology for risk assessment and mapping for south-east Europe: an application for heat wave risk in Romania. *Natural Hazards*, **2016**, 82, 89-109	3	13
8	Risk evolution: how can changes in the built environment influence the potential loss of natural hazards?. *Natural Hazards and Earth System Sciences*, **2013**, 13, 2195-2207	3.9	12
7	Assessing drought and drought-related wildfire risk in Kanjiza, Serbia: the SEERISK methodology. *Natural Hazards*, **2016**, 80, 709-726	3	9
6	Letter to the Editor: The Australian Tsunami Warning System and lessons from the 2 April 2007 Solomon Islands tsunami alert in Australia. *Natural Hazards and Earth System Sciences*, **2007**, 7, 571-572	3.9	7
5	An institutional approach to vulnerability: evidence from natural hazard management in Europe. *Environmental Research Letters*, **2021**, 16, 044056	6.2	6
4	Die Bedeutung des demografischen Wandels f□ das □sterreichische Hochwasserrisikomanagement. *Osterreichische Wasser- Und Abfallwirtschaft*, **2020**, 72, 245-251	0.4	3
3	Vulnerability to Heat Waves, Floods, and Landslides in Mountainous Terrain **2014**, 179-201		3
2	Experimental measurements of flood-induced impact forces on exposed elements. *E3S Web of Conferences*, **2018**, 40, 05005	0.5	2
1	Physical vulnerability to dynamic flooding: Vulnerability curves and vulnerability indices. *Journal of Hydrology*, **2022**, 607, 127501	6	1