

# Omar DarÃ- o Cardona

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

2,440  
citations

394390

19  
h-index

302107

39  
g-index

46  
all docs

46  
docs citations

46  
times ranked

2459  
citing authors

#	ARTICLE	IF	CITATIONS
1	Framing vulnerability, risk and societal responses: the MOVE framework. <i>Natural Hazards</i> , 2013, 67, 193-211.	3.4	678
2	Determinants of Risk: Exposure and Vulnerability. , 2012, , 65-108.		329
3	Urban Seismic Risk Evaluation: A Holistic Approach. <i>Natural Hazards</i> , 2007, 40, 137-172.	3.4	172
4	Climate Change: New Dimensions in Disaster Risk, Exposure, Vulnerability, and Resilience. , 2012, , 25-64.		159
5	A disaster risk management performance index. <i>Natural Hazards</i> , 2007, 41, 1-20.	3.4	153
6	Seismic vulnerability and risk evaluation methods for urban areas. A review with application to a pilot area. <i>Structure and Infrastructure Engineering</i> , 2010, 6, 17-38.	3.7	124
7	Scenarios for vulnerability: opportunities and constraints in the context of climate change and disaster risk. <i>Climatic Change</i> , 2015, 133, 53-68.	3.6	96
8	New methodology for urban seismic risk assessment from a holistic perspective. <i>Bulletin of Earthquake Engineering</i> , 2012, 10, 547-565.	4.1	75
9	Revealing the socioeconomic impact of small disasters in Colombia using the DesInventar database. <i>Disasters</i> , 2010, 34, 552-570.	2.2	63
10	Probabilistic earthquake risk assessment using CAPRA: application to the city of Barcelona, Spain. <i>Natural Hazards</i> , 2013, 69, 59-84.	3.4	49
11	Fully probabilistic seismic risk assessment considering local site effects for the portfolio of buildings in Medellín, Colombia. <i>Bulletin of Earthquake Engineering</i> , 2014, 12, 671-695.	4.1	46
12	Global risk assessment: A fully probabilistic seismic and tropical cyclone wind risk assessment. <i>International Journal of Disaster Risk Reduction</i> , 2014, 10, 461-476.	3.9	41
13	Urban seismic risk index for Medellín, Colombia, based on probabilistic loss and casualties estimations. <i>Natural Hazards</i> , 2016, 80, 1995-2021.	3.4	38
14	Earthquake Loss Assessment for Integrated Disaster Risk Management. <i>Journal of Earthquake Engineering</i> , 2008, 12, 48-59.	2.5	34
15	Computational Tool for Post-Earthquake Evaluation of Damage in Buildings. <i>Earthquake Spectra</i> , 2010, 26, 63-86.	3.1	31
16	Disaster Risk and Vulnerability: Concepts and Measurement of Human and Environmental Insecurity. <i>Hexagon Series on Human and Environmental Security and Peace</i> , 2011, , 107-121.	0.2	31
17	Estimation of Probabilistic Seismic Losses and the Public Economic Resilience—An Approach for a Macroeconomic Impact Evaluation. <i>Journal of Earthquake Engineering</i> , 2008, 12, 60-70.	2.5	29
18	Probabilistic seismic hazard assessment at global level. <i>International Journal of Disaster Risk Reduction</i> , 2014, 10, 419-427.	3.9	29

#	ARTICLE	IF	CITATIONS
19	Hybrid loss exceedance curve (HLEC) for disaster risk assessment. <i>Natural Hazards</i> , 2014, 72, 455-479.	3.4	26
20	Robustness of the holistic seismic risk evaluation in urban centers using the USRi. <i>Natural Hazards</i> , 2009, 49, 501-516.	3.4	22
21	Management of the volcanic crises of Galeras volcano: Social, economic and institutional aspects. <i>Journal of Volcanology and Geothermal Research</i> , 1997, 77, 313-324.	2.1	19
22	Success, innovation and challenge: School safety and disaster education in South America and the Caribbean. <i>International Journal of Disaster Risk Reduction</i> , 2020, 44, 101395.	3.9	17
23	Disaster risk from a macroeconomic perspective: a metric for fiscal vulnerability evaluation. <i>Disasters</i> , 2010, 34, 1064-1083.	2.2	16
24	Methodology and applications for the benefit cost analysis of the seismic risk reduction in building portfolios at broadscale. <i>Natural Hazards</i> , 2013, 69, 845-868.	3.4	16
25	Seismic and wind vulnerability assessment for the GAR-13 global risk assessment. <i>International Journal of Disaster Risk Reduction</i> , 2014, 10, 452-460.	3.9	16
26	Prioritizing Interventions to Reduce Seismic Vulnerability in School Facilities in Colombia. <i>Earthquake Spectra</i> , 2015, 31, 2535-2552.	3.1	11
27	Curriculum Adaptation and Disaster Prevention in Colombia. , 2007, , 397-408.		11
28	Retrospective assessment of risk from natural hazards. <i>International Journal of Disaster Risk Reduction</i> , 2014, 10, 477-489.	3.9	10
29	Early warning system for rainfall-triggered landslides based on real-time probabilistic hazard assessment. <i>Natural Hazards</i> , 2020, 100, 345-361.	3.4	10
30	Seismic vulnerability and risk evaluation methods for urban areas. A review with application to a pilot area. <i>Structure and Infrastructure Engineering</i> , 2010, 6, 499-499.	3.7	9
31	Optimum Earthquake Design Coefficients Based on Probabilistic Seismic Hazard Analyses: Theory and Applications. <i>Earthquake Spectra</i> , 2017, 33, 1455-1474.	3.1	9
32	Theoretical and Conceptual Framework for the Assessment of Vulnerability to Natural Hazards and Climate Change in Europe11This chapter is based on a paper published in <i>Natural Hazards</i> dealing with the MOVE framework; see in detail Birkmann et al., 2013.. , 2014, , 1-19.		8
33	Design and implementation of a voluntary collective earthquake insurance policy to cover low-income homeowners in a developing country. <i>Natural Hazards</i> , 2014, 74, 2071-2088.	3.4	7
34	Comparing observed damages and losses with modelled ones using a probabilistic approach: The Lorca 2011 case. <i>International Journal of Disaster Risk Reduction</i> , 2016, 19, 355-365.	3.9	7
35	Probabilistic assessment of annual repair rates in pipelines and of direct economic losses in water and sewage networks: application to Manizales, Colombia. <i>Natural Hazards</i> , 2018, 93, 5-24.	3.4	7
36	Holistic Urban Seismic Risk Evaluation of Megacities: Application and Robustness. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2009, , 167-183.	0.2	4

#	ARTICLE	IF	CITATIONS
37	Neuro-Fuzzy Assessment of Building Damage and Safety After an Earthquake. , 2007, , 123-157.		4
38	Holistic Evaluation of Seismic Risk in Barcelona. , 2014, , 21-52.		3
39	Epistemic uncertainty in probabilistic estimates of seismic risk resulting from multiple hazard models. Natural Hazards, 2021, 108, 3203-3227.	3.4	3
40	Latin American and Caribbean earthquakes in the GEM's Earthquake Consequences Database (GEMECD). Natural Hazards, 2018, 93, 113-125.	3.4	1
41	Reply to Authors on "Assessment of earthquake damage considering the characteristics of past events in South America": Soil Dynamics and Earthquake Engineering, 2018, 104, 154-155.	3.8	0