

# Omar Daro Cardona

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46  
papers

1,746  
citations

19  
h-index

41  
g-index

46  
ext. papers

2,051  
ext. citations

3  
avg, IF

4.35  
L-index

#	Paper	IF	Citations
46	Epistemic uncertainty in probabilistic estimates of seismic risk resulting from multiple hazard models. <i>Natural Hazards</i> , <b>2021</b> , 108, 3203-3227	3	0
45	Early warning system for rainfall-triggered landslides based on real-time probabilistic hazard assessment. <i>Natural Hazards</i> , <b>2020</b> , 100, 345-361	3	4
44	Success, innovation and challenge: School safety and disaster education in South America and the Caribbean. <i>International Journal of Disaster Risk Reduction</i> , <b>2020</b> , 44, 101395	4.5	6
43	Reply to Authors on Assessment of earthquake damage considering the characteristics of past events in South America. <i>Soil Dynamics and Earthquake Engineering</i> , <b>2018</b> , 104, 154-155	3.5	
42	Latin American and Caribbean earthquakes in the GEM Earthquake Consequences Database (GEMECD). <i>Natural Hazards</i> , <b>2018</b> , 93, 113-125	3	1
41	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> , <b>2018</b> , 93, 5-24	3	5
40	Optimum Earthquake Design Coefficients Based on Probabilistic Seismic Hazard Analyses: Theory and Applications. <i>Earthquake Spectra</i> , <b>2017</b> , 33, 1455-1474	3.4	5
39	Evaluaci3n probabilista del riesgo s3smico en Lorca mediante simulaciones de escenarios. <i>Revista Internacional De Metodos Numericos Para Calculo Y Diseno En Ingenieria</i> , <b>2016</b> , 32, 70-78	1.8	8
38	Urban seismic risk index for Medell3n, Colombia, based on probabilistic loss and casualties estimations. <i>Natural Hazards</i> , <b>2016</b> , 80, 1995-2021	3	32
37	Comparing observed damages and losses with modelled ones using a probabilistic approach: The Lorca 2011 case. <i>International Journal of Disaster Risk Reduction</i> , <b>2016</b> , 19, 355-365	4.5	6
36	Scenarios for vulnerability: opportunities and constraints in the context of climate change and disaster risk. <i>Climatic Change</i> , <b>2015</b> , 133, 53-68	4.5	72
35	Prioritizing Interventions to Reduce Seismic Vulnerability in School Facilities in Colombia. <i>Earthquake Spectra</i> , <b>2015</b> , 31, 2535-2552	3.4	9
34	Fully probabilistic seismic risk assessment considering local site effects for the portfolio of buildings in Medell3n, Colombia. <i>Bulletin of Earthquake Engineering</i> , <b>2014</b> , 12, 671-695	3.7	36
33	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. <b>2014</b> , 1-19		5
32	M3todo num3rico para la evaluaci3n hol3stica del riesgo s3smico utilizando la teor3a de conjuntos difusos. <i>Revista Internacional De Metodos Numericos Para Calculo Y Diseno En Ingenieria</i> , <b>2014</b> , 30, 25-34	1.8	7
31	Probabilistic seismic hazard assessment at global level. <i>International Journal of Disaster Risk Reduction</i> , <b>2014</b> , 10, 419-427	4.5	21
30	Global risk assessment: A fully probabilistic seismic and tropical cyclone wind risk assessment. <i>International Journal of Disaster Risk Reduction</i> , <b>2014</b> , 10, 461-476	4.5	27

29	Seismic and wind vulnerability assessment for the GAR-13 global risk assessment. <i>International Journal of Disaster Risk Reduction</i> , <b>2014</b> , 10, 452-460	4.5	9
28	Retrospective assessment of risk from natural hazards. <i>International Journal of Disaster Risk Reduction</i> , <b>2014</b> , 10, 477-489	4.5	7
27	Design and implementation of a voluntary collective earthquake insurance policy to cover low-income homeowners in a developing country. <i>Natural Hazards</i> , <b>2014</b> , 74, 2071-2088	3	6
26	Holistic Evaluation of Seismic Risk in Barcelona <b>2014</b> , 21-52		2
25	Hybrid loss exceedance curve (HLEC) for disaster risk assessment. <i>Natural Hazards</i> , <b>2014</b> , 72, 455-479	3	22
24	Methodology and applications for the benefit cost analysis of the seismic risk reduction in building portfolios at broadscale. <i>Natural Hazards</i> , <b>2013</b> , 69, 845-868	3	13
23	Probabilistic earthquake risk assessment using CAPRA: application to the city of Barcelona, Spain. <i>Natural Hazards</i> , <b>2013</b> , 69, 59-84	3	45
22	Framing vulnerability, risk and societal responses: the MOVE framework. <i>Natural Hazards</i> , <b>2013</b> , 67, 193-211	3.7	49
21	New methodology for urban seismic risk assessment from a holistic perspective. <i>Bulletin of Earthquake Engineering</i> , <b>2012</b> , 10, 547-565	3.7	58
20	Disaster Risk and Vulnerability: Concepts and Measurement of Human and Environmental Insecurity. <i>Hexagon Series on Human and Environmental Security and Peace</i> , <b>2011</b> , 107-121		22
19	Evaluaci3n de la habitabilidad de edificios afectados por sismo utilizando la teor3a de conjuntos difusos y las redes neuronales artificiales. <i>Revista Internacional De Metodos Numericos Para Calculo Y Diseno En Ingenieria</i> , <b>2011</b> , 27, 278-293	1.8	3
18	Revealing the Impact of Small Disasters to the Economic and Social Development. <i>Hexagon Series on Human and Environmental Security and Peace</i> , <b>2011</b> , 575-584		2
17	Revealing the socioeconomic impact of small disasters in Colombia using the DesInventar database. <i>Disasters</i> , <b>2010</b> , 34, 552-70	2.8	47
16	Disaster risk from a macroeconomic perspective: a metric for fiscal vulnerability evaluation. <i>Disasters</i> , <b>2010</b> , 34, 1064-83	2.8	11
15	Seismic vulnerability and risk evaluation methods for urban areas. A review with application to a pilot area. <i>Structure and Infrastructure Engineering</i> , <b>2010</b> , 6, 17-38	2.9	103
14	Computational Tool for Post-Earthquake Evaluation of Damage in Buildings. <i>Earthquake Spectra</i> , <b>2010</b> , 26, 63-86	3.4	26
13	Seismic vulnerability and risk evaluation methods for urban areas. A review with application to a pilot area. <i>Structure and Infrastructure Engineering</i> , <b>2010</b> , 6, 499-499	2.9	9
12	Evaluaci3n de la amenaza s3smica de Colombia. Actualizaci3n y uso en las nuevas normas colombianas de dise3n sismo resistente NSR-10. <i>Revista De Ingenieria</i> , <b>2010</b> , 28-37	0	3

11	Robustness of the holistic seismic risk evaluation in urban centers using the USRi. <i>Natural Hazards</i> , <b>2009</b> , 49, 501-516	3	18
10	Holistic Urban Seismic Risk Evaluation of Megacities: Application and Robustness. <i>Geotechnical, Geological and Earthquake Engineering</i> , <b>2009</b> , 167-183	0.2	3
9	Earthquake Loss Assessment for Integrated Disaster Risk Management. <i>Journal of Earthquake Engineering</i> , <b>2008</b> , 12, 48-59	1.8	19
8	Estimation of Probabilistic Seismic Losses and the Public Economic Resilience—An Approach for a Macroeconomic Impact Evaluation. <i>Journal of Earthquake Engineering</i> , <b>2008</b> , 12, 60-70	1.8	22
7	Urban Seismic Risk Evaluation: A Holistic Approach. <i>Natural Hazards</i> , <b>2007</b> , 40, 137-172	3	144
6	A disaster risk management performance index. <i>Natural Hazards</i> , <b>2007</b> , 41, 1-20	3	115
5	Neuro-Fuzzy Assessment of Building Damage and Safety After an Earthquake <b>2007</b> , 123-157		3
4	Curriculum Adaptation and Disaster Prevention in Colombia <b>2007</b> , 397-408		5
3	Management of the volcanic crises of Galeras volcano: Social, economic and institutional aspects. <i>Journal of Volcanology and Geothermal Research</i> , <b>1997</b> , 77, 313-324	2.8	16
2	Climate Change: New Dimensions in Disaster Risk, Exposure, Vulnerability, and Resilience25-64		87
1	Determinants of Risk: Exposure and Vulnerability65-108		191