

# Tomás Echaveguren

## List of Publications by Year in descending order

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30  
papers

209  
citations

1185739

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h-index

1064742

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32  
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32  
docs citations

32  
times ranked

269  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring the environmental modeling of road construction operations using discrete-event simulation. <i>Automation in Construction</i> , 2012, 24, 100-110.	10.0	53
2	Assessment of horizontal curves of an existing road using reliability concepts. <i>Canadian Journal of Civil Engineering</i> , 2005, 32, 1030-1038.	1.3	31
3	Development of fragility curves for road bridges exposed to volcanic lahars. <i>Natural Hazards and Earth System Sciences</i> , 2018, 18, 2111-2125.	3.7	14
4	Sensitivity analysis and uncertainty quantification of a seismic risk model for road networks. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2022, 37, 516-530.	10.4	14
5	Sustainable Risk Management of Rural Road Networks Exposed to Natural Hazards: Application to Volcanic Lahars in Chile. <i>Sustainability</i> , 2020, 12, 6774.	3.3	12
6	Reliability-Based Estimation of Traffic Interruption Probability due to Road Waterlogging. <i>Journal of Advanced Transportation</i> , 2018, 2018, 1-12.	1.8	8
7	Development of fragility curves for road embankments exposed to perpendicular debris flows. <i>Geomatics, Natural Hazards and Risk</i> , 2021, 12, 1560-1583.	4.4	8
8	Operating speed models for horizontal reverse curves. <i>Proceedings of the Institution of Civil Engineers: Transport</i> , 2015, 168, 510-522.	0.6	7
9	A cost-benefit approach to recover the performance of roads affected by natural disasters. <i>International Journal of Disaster Risk Reduction</i> , 2021, 53, 102014.	4.0	7
10	Seismic risk evaluation of highway tunnel groups. <i>Natural Hazards</i> , 2021, 108, 2101-2121.	3.4	7
11	Estimation of Exceedance Probability of Scour on Bridges Using Reliability Principles. <i>Journal of Hydrologic Engineering - ASCE</i> , 2021, 26, .	2.2	7
12	A model for estimating advisory speeds for horizontal curves in two-lane rural roads. <i>Canadian Journal of Civil Engineering</i> , 2013, 40, 1234-1243.	1.3	5
13	Allocation of bridge maintenance costs based on prioritization indexes. <i>Revista De La Construccion</i> , 2019, 18, 568-578.	0.7	5
14	Development and comparison of seismic fragility curves for bridges based on empirical and analytical approaches. <i>Structure and Infrastructure Engineering</i> , 2023, 19, 949-963.	3.6	5
15	Reliability-based Estimation of Heavy Vehicle Rollover Probability on Two-Lane Highways. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 4898-4909.	1.9	4
16	Análisis de consistencia de caminos bidireccionales usando mediciones continuas de velocidad de operación obtenidas con GPS. <i>Revista Ingenieria De Construccion</i> , 2012, 27, 55-70.	0.2	3
17	Effect of driving style on operating speed in crest vertical curves of two-lane highways. <i>Proceedings of the Institution of Civil Engineers: Transport</i> , 2022, 175, 290-299.	0.6	2
18	Estimación de longitud crítica en pendientes ascendentes en caminos bidireccionales. <i>Revista Ingenieria De Construccion</i> , 2015, 30, 5-16.	0.2	2

#	ARTICLE	IF	CITATIONS
19	Traffic interruption risk induced by cut-slope failure: The rainfall effect. <i>Transportation Geotechnics</i> , 2023, 41, 100993.	4.6	2
20	SIGeR-RV: A Web-Geographic Information System-Based System for Risk Management of Road Networks Exposed to Natural Hazards. <i>Transportation Research Record</i> , 2023, 2677, 754-769.	1.8	2
21	Integration of resilience and risk to natural hazards into transportation asset management of road networks: a systematic review. <i>Structure and Infrastructure Engineering</i> , 0, , 1-19.	3.6	2
22	Análisis de métodos de diseño de pavimentos de adoquines de hormigón. <i>Revista De La Construcción</i> , 2013, 12, 17-26.	0.7	1
23	Evaluación de la necesidad de lechos de frenado en pendientes descendentes usando principios de contabilidad. <i>Revista Ingenieria De Construcción</i> , 2013, 28, 221-235.	0.2	1
24	Longitudinal Acceleration Models for Horizontal Reverse Curves of Two-Lane Rural Roads. <i>Baltic Journal of Road and Bridge Engineering</i> , 2020, 15, 103-125.	0.8	1
25	Social vulnerability in Chile: challenges for multi-scale analysis and disaster risk reduction. <i>Natural Hazards</i> , 2023, 117, 3067-3102.	3.4	1
26	A hazard index for roadside of two-lane rural roads. <i>DYNA (Colombia)</i> , 2014, 81, 55.	0.4	0
27	3316 Measurement of Geometric Deviation on a Machining Center : Measurement Method of Roll using Laser. <i>Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21</i> , 2011, 2011.6, _3316-1_-_3316-4_.	0.0	0
28	Desarrollo conceptual de un sistema integrado para el control de calidad en mediciones de resistencia al deslizamiento. <i>Revista Ingenieria De Construcción</i> , 2012, 27, 75-92.	0.2	0
29	Closure to "Estimation of Exceedance Probability of Scour on Bridges Using Reliability Principles" by Manuel Contreras-Jara, Tomás Echaveguren, Alondra Chamorro, and Jose Vargas-Baecheler. <i>Journal of Hydrologic Engineering - ASCE</i> , 2022, 27, .	2.2	0
30	Uncertainty in the Back-Calculation of Geometric Parameters of Vertical Curves Obtained with UAV. <i>Journal of Surveying Engineering, - ASCE</i> , 2023, 149, .	1.8	0