

Daniel Cantero

List of Publications by Citations

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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.

38
papers

674
citations

17
h-index

25
g-index

41
ext. papers

883
ext. citations

3.1
avg, IF

4.66
L-index

#	Paper	IF	Citations
38	TrainTrackBridge modelling and review of parameters. <i>Structure and Infrastructure Engineering</i> , 2016 , 12, 1051-1064	2.9	46
37	Evolution of bridge frequencies and modes of vibration during truck passage. <i>Engineering Structures</i> , 2017 , 152, 452-464	4.7	44
36	Characteristic Dynamic Increment for extreme traffic loading events on short and medium span highway bridges. <i>Engineering Structures</i> , 2010 , 32, 3827-3835	4.7	44
35	Railway infrastructure damage detection using wavelet transformed acceleration response of traversing vehicle. <i>Structural Control and Health Monitoring</i> , 2015 , 22, 62-70	4.5	42
34	The reinforcement and healing of asphalt mastic mixtures by rejuvenator encapsulation in alginate compartmented fibres. <i>Smart Materials and Structures</i> , 2016 , 25, 084003	3.4	38
33	Identification of sudden stiffness changes in the acceleration response of a bridge to moving loads using ensemble empirical mode decomposition. <i>Mechanical Systems and Signal Processing</i> , 2016 , 66-67, 314-338	7.8	37
32	Timefrequency analysis of railway bridge response in forced vibration. <i>Mechanical Systems and Signal Processing</i> , 2016 , 76-77, 518-530	7.8	37
31	Bridge Damage Detection Using Weigh-in-Motion Technology. <i>Journal of Bridge Engineering</i> , 2015 , 20, 04014078	2.7	35
30	Experimental monitoring of bridge frequency evolution during the passage of vehicles with different suspension properties. <i>Engineering Structures</i> , 2019 , 187, 209-219	4.7	33
29	Drive-by scour monitoring of railway bridges using a wavelet-based approach. <i>Engineering Structures</i> , 2019 , 191, 1-11	4.7	32
28	Determination of railway track longitudinal profile using measured inertial response of an in-service railway vehicle. <i>Structural Health Monitoring</i> , 2018 , 17, 1425-1440	4.4	31
27	Dynamic increment for shear force due to heavy vehicles crossing a highway bridge. <i>Computers and Structures</i> , 2011 , 89, 2261-2272	4.5	29
26	Influence line extraction by deconvolution in the frequency domain. <i>Computers and Structures</i> , 2017 , 189, 21-30	4.5	23
25	Railway bridge damage detection using vehicle-based inertial measurements and apparent profile. <i>Engineering Structures</i> , 2017 , 153, 421-442	4.7	23
24	Critical speed for the dynamics of truck events on bridges with a smooth road surface. <i>Journal of Sound and Vibration</i> , 2010 , 329, 2127-2146	3.9	23
23	Drive-by detection of railway track stiffness variation using in-service vehicles. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2017 , 231, 498-514	1.4	21
22	Comparison of Bridge Dynamic Amplifications due to Articulated 5-Axle Trucks and Large Cranes. <i>Baltic Journal of Road and Bridge Engineering</i> , 2011 , 6, 39-47	0.9	18

21	The Virtual Axle concept for detection of localised damage using Bridge Weigh-in-Motion data. <i>Engineering Structures</i> , 2015 , 89, 26-36	4.7	14
20	Modelling the vehicle in vehicle-Infrastructure dynamic interaction studies. <i>Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics</i> , 2010 , 224, 243-248	0.9	13
19	Numerical evaluation of the mid-span assumption in the calculation of total load effects in railway bridges. <i>Engineering Structures</i> , 2016 , 107, 1-8	4.7	12
18	Determination of longitudinal profile of railway track using vehicle-based inertial readings. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2017 , 231, 518-534	1.4	12
17	Tension during parametric excitation in submerged vertical taut tethers. <i>Applied Ocean Research</i> , 2017 , 65, 279-289	3.4	9
16	Maximum dynamic stress on bridges traversed by moving loads. <i>Proceedings of the Institution of Civil Engineers: Bridge Engineering</i> , 2009 , 162, 75-85	0.5	9
15	Deep autoencoder architecture for bridge damage assessment using responses from several vehicles. <i>Engineering Structures</i> , 2021 , 246, 113064	4.7	9
14	Recent Studies of Parametrically Excited Mooring Cables for Submerged Floating Tunnels. <i>Procedia Engineering</i> , 2016 , 166, 99-106		8
13	Indirect monitoring of vortex-induced vibration of suspension bridge hangers. <i>Structural Health Monitoring</i> , 2018 , 17, 837-849	4.4	6
12	DYNAMIC IMPACT OF HEAVY LONG VEHICLES WITH EQUALLY SPACED AXLES ON SHORT-SPAN HIGHWAY BRIDGES. <i>Baltic Journal of Road and Bridge Engineering</i> , 2018 , 13, 1-13	0.9	5
11	DRIVE-BY STRUCTURAL HEALTH MONITORING OF RAILWAY BRIDGES USING TRAIN-MOUNTED ACCELEROMETERS 2015 ,		5
10	Moving point load approximation from bridge response signals and its application to bridge Weigh-in-Motion. <i>Engineering Structures</i> , 2021 , 233, 111931	4.7	5
9	Numerical Evaluation of Modal Properties Change of Railway Bridges during Train Passage. <i>Procedia Engineering</i> , 2017 , 199, 2931-2936		3
8	Railway Track Loss-of-Stiffness Detection Using Bogie Filtered Displacement Data Measured on a Passing Train. <i>Infrastructures</i> , 2021 , 6, 93	2.6	2
7	Railway Bridge Condition Monitoring Using Numerically Calculated Responses from Batches of Trains. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 4972	2.6	2
6	The calibration challenge when inferring longitudinal track profile from the inertial response of an in-service train. <i>Canadian Journal of Civil Engineering</i> ,	1.3	1
5	Estimation of Railway Track Longitudinal Profile Using Vehicle-Based Inertial Measurements. <i>Sustainable Civil Infrastructures</i> , 2019 , 1-6	0.2	1
4	Monitoring of Changes in Bridge Response Using Weigh-In-Motion Systems. <i>Key Engineering Materials</i> , 2013 , 569-570, 183-190	0.4	0

- 3 VEqMon2DEquations of motion generation tool of 2D vehicles with Matlab. *SoftwareX*, **2022**, 19, 101103.7 0
- 2 Estimation of Railway Track Longitudinal Profile Using Vehicle-Based Inertial Measurements. *Conference Proceedings of the Society for Experimental Mechanics*, **2019**, 145-148 0.3
- 1 Time-Frequency Analysis of Suspension Bridge Response for Identification of Vortex Induced Vibrations. *Lecture Notes in Civil Engineering*, **2018**, 667-675 0.3