

Jose M Goicolea

List of Publications by Year in descending order

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papers

780
citations

566801

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525886

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docs citations

41
times ranked

725
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of the train-track-bridge system characteristics in the runnability of high-speed trains against crosswinds - Part I: Running safety. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2022, 224, 104974.	1.7	20
2	Identification of a Human-Structure Interaction Model on an Ultra-Lightweight FRP Footbridge. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6654.	1.3	16
3	Experimental and numerical study on cable breakage equivalent force in cable-stayed structures consisting of low-relaxation seven-wire steel strands. <i>Structures</i> , 2020, 27, 595-606.	1.7	13
4	Analytical and simplified models for dynamic analysis of short skew bridges under moving loads. <i>Advances in Structural Engineering</i> , 2019, 22, 2076-2088.	1.2	8
5	Parametric Pushover Analysis on Elevated RC Pile-Cap Foundations for Bridges in Cohesionless Soils. <i>Journal of Bridge Engineering</i> , 2019, 24, .	1.4	27
6	Railway bridge damage detection using vehicle-based inertial measurements and apparent profile. <i>Engineering Structures</i> , 2017, 153, 421-442.	2.6	40
7	Vibration analysis of short skew bridges due to railway traffic using analytical and simplified models. <i>Procedia Engineering</i> , 2017, 199, 3039-3046.	1.2	2
8	Development of Practical Finite Element Models for Collapse of Reinforced Concrete Structures and Experimental Validation. <i>Shock and Vibration</i> , 2017, 2017, 1-9.	0.3	15
9	Bridge Damage Identification from Moving Load Induced Deflection Based on Wavelet Transform and Lipschitz Exponent. <i>International Journal of Structural Stability and Dynamics</i> , 2016, 16, 1550003.	1.5	30
10	A computational procedure for prediction of ballasted track profile degradation under railway traffic loading. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2016, 230, 1812-1827.	1.3	15
11	A regularised continuum damage model based on the mesoscopic scale for soft tissue. <i>International Journal of Solids and Structures</i> , 2015, 58, 20-33.	1.3	17
12	Evaluaci3n de acciones explosivas sobre estructuras de hormig3n armado mediante elementos finitos. <i>Informes De La Construcci3n</i> , 2015, 67, e095.	0.1	2
13	Comparison of dynamic effects of high-speed traffic load on ballasted track using a simplified two-dimensional and full three-dimensional model. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2014, 228, 128-142.	1.3	46
14	Lateral Dynamic Models for High-Speed Railway Bridges and Vehicles. <i>IABSE Symposium Report</i> , 2014, , .	0.0	0
15	Consideration of nonlinear wheel-rail contact forces for dynamic vehicle-bridge interaction in high-speed railways. <i>Journal of Sound and Vibration</i> , 2013, 332, 1231-1251.	2.1	127
16	Relevance of a complete road surface description in vehicle-bridge interaction dynamics. <i>Engineering Structures</i> , 2013, 56, 466-476.	2.6	53
17	Fully three-dimensional vehicle dynamics over rough pavement. <i>Proceedings of the Institution of Civil Engineers: Transport</i> , 2013, 166, 144-157.	0.3	8
18	Nonlinear Train-Bridge Lateral Interaction Using a Simplified Wheel-Rail Contact Method Within a Finite Element Framework. <i>Journal of Computational and Nonlinear Dynamics</i> , 2012, 7, .	0.7	9

#	ARTICLE	IF	CITATIONS
19	Mechanical characterisation of the human thoracic descending aorta: experiments and modelling. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2012, 15, 185-193.	0.9	46
20	A methodology for analysing lateral coupled behavior of high speed railway vehicles and structures. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 10, 012001.	0.3	5
21	Factors influencing the mechanical behaviour of healthy human descending thoracic aorta. <i>Physiological Measurement</i> , 2010, 31, 1553-1565.	1.2	19
22	On thermodynamically consistent constitutive equations for fiber-reinforced nonlinearly viscoelastic solids with application to biomechanics. <i>Mechanics Research Communications</i> , 2007, 34, 561-571.	1.0	21
23	A volumetric model for growth of arterial walls with arbitrary geometry and loads. <i>Journal of Biomechanics</i> , 2007, 40, 961-971.	0.9	41
24	Influence of Shear Stress on In-Stent Restenosis: In Vivo Study Using 3D Reconstruction and Computational Fluid Dynamics. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2006, 59, 20-27.	0.4	10
25	Finite element simulation of the simple tension test in metals. <i>Finite Elements in Analysis and Design</i> , 2006, 42, 1187-1197.	1.7	38
26	Linear and non-linear finite element error estimation based on assumed strain fields. <i>International Journal for Numerical Methods in Engineering</i> , 2002, 55, 413-429.	1.5	5
27	Title is missing!. <i>Multibody System Dynamics</i> , 2002, 7, 3-29.	1.7	17
28	Dynamic analysis of rigid and deformable multibody systems with penalty methods and energy-momentum schemes. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2000, 188, 789-804.	3.4	40
29	Conserving Properties in Constrained Dynamics of Flexible Multibody Systems. <i>Multibody System Dynamics</i> , 2000, 4, 225-244.	1.7	31
30	Análisis de accidentes severos en contenciones nucleares. <i>Informes De La Construccion</i> , 1992, 43, 79-95.	0.1	0
31	Dynamic Response Prediction of Lightweight Pedestrian Structures: Equivalent Crowd-Structure System. , 0, , .		1
32	Dynamic Response of Footbridges in Eurocodes: Towards an Accurate Assessment of Human-Induced Vibrations. , 0, , .		0