

Pedro Antunes

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

525
citations

840776

11
h-index

713466

21
g-index

41
all docs

41
docs citations

41
times ranked

394
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Developments in Pantograph-Catenary Interaction Modelling and Analysis. International Journal of Railway Technology, 2012, 1, 249-278.	0.3	54
2	Structuring dimensions for collaborative systems evaluation. ACM Computing Surveys, 2012, 44, 1-28.	23.0	52
3	A co-simulation approach to the wheel-rail contact with flexible railway track. Multibody System Dynamics, 2019, 45, 245-272.	2.7	51
4	Reviewing the quality of awareness support in collaborative applications. Journal of Systems and Software, 2014, 89, 146-169.	4.5	49
5	A methodology to study high-speed pantograph-catenary interaction with realistic contact wire irregularities. Mechanism and Machine Theory, 2020, 152, 103940.	4.5	45
6	Implementation of a non-Hertzian contact model for railway dynamic application. Multibody System Dynamics, 2020, 48, 41-78.	2.7	42
7	PantoCat statement of method. Vehicle System Dynamics, 2015, 53, 314-328.	3.7	38
8	A new methodology to study the pantograph-catenary dynamics in curved railway tracks. Vehicle System Dynamics, 2020, 58, 425-452.	3.7	28
9	Evaluation Methods for Groupware Systems. Lecture Notes in Computer Science, 2007, , 328-336.	1.3	24
10	Enhancing pantograph-catenary dynamic performance using an inertance-integrated damping system. Vehicle System Dynamics, 2022, 60, 1909-1932.	3.7	15
11	Wheel-rail contact models in the presence of switches and crossings. Vehicle System Dynamics, 2023, 61, 838-870.	3.7	15
12	A finite element methodology to model flexible tracks with arbitrary geometry for railway dynamics applications. Computers and Structures, 2021, 254, 106519.	4.4	12
13	Consumers performance evaluation of the participation in demand response programs using baseline methods. , 2013, , .		10
14	A Comparative Study between Two Pantographs in Multiple Pantograph High-Speed Operations. International Journal of Railway Technology, 2013, 2, 83-108.	0.3	10
15	A novel methodology to automatically include general track flexibility in railway vehicle dynamic analyses. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2021, 235, 478-493.	2.0	9
16	Analyzing Shared Workspaces Design with Human-Performance Models. Lecture Notes in Computer Science, 2006, , 62-77.	1.3	8
17	Determining the adjustment baseline parameters to define an accurate customer baseline load. , 2013, , .		7
18	Using baseline methods to identify non-technical losses in the context of smart grids. , 2013, , .		6

#	ARTICLE	IF	CITATIONS
19	Perceived Value: A Low-Cost Approach to Evaluate Meetingware. Lecture Notes in Computer Science, 2003, , 109-125.	1.3	6
20	Supporting experimental collaborative systems evaluation. , 2011, , .		4
21	Analyzing the support for large group collaborations using Google Maps. , 2011, , .		4
22	Finite Element Methodology for Flexible Track Models in Railway Dynamics Applications. International Journal of Vehicle Structures and Systems, 2014, 5, .	0.2	4
23	Catenary Finite Element Model Initialization using Optimization. , 0, , .		4
24	A Study on Multiple Pantograph Operations for High-Speed Catenary Contact. , 0, , .		4
25	Gathering big data for teamwork evaluation with microworlds. Cluster Computing, 2017, 20, 1637-1659.	5.0	3
26	Development of a Computational Tool for the Dynamic Analysis of the Pantograph-Catenary Interaction for High-Speed Trains. , 0, , .		3
27	Development of a Methodology for the Geometric Parameterization of Three-Dimensional Tracks. , 0, , .		2
28	Development of Flexible Track Models for Railway Vehicle Dynamics Applications. , 0, , .		2
29	Identifying the Awareness Mechanisms for Mobile Collaborative Applications. Lecture Notes in Computer Science, 2013, , 241-256.	1.3	2
30	A Dedicated Control Design Methodology for Improved Tilting Train Performance. Lecture Notes in Mechanical Engineering, 2020, , 72-81.	0.4	2
31	Virtual pantograph-catenary environment for control development based on a co-simulation approach. Multibody System Dynamics, 2022, 55, 241-265.	2.7	2
32	Construction of Three-Dimensional Track Models for Roller-Coaster Applications. , 0, , .		1
33	Dynamic Analysis of the Pantograph-Catenary, Interaction on Overlap Sections for High-Speed Railway Operations. , 0, , .		1
34	A multi-service bus-sharing system for private fleets. , 2017, , .		0
35	Generalized Path Following Constraints with Spatial Curves for Roller Coaster Applications. Springer Proceedings in Advanced Robotics, 2019, , 335-343.	1.3	0
36	Dynamics of Vehicles on Roads and Tracks Vol 2. , 0, , .		0

#	ARTICLE	IF	CITATIONS
37	Pantograph-catenary interaction in curved railway tracks. , 2019, , 1791-1798.		0
38	Railway vehicle dynamics interaction with a flexible track. , 2019, , 1777-1784.		0
39	Flexible Track Models in Railway Dynamics Using a Finite Element Formulation. , 0, , .		0