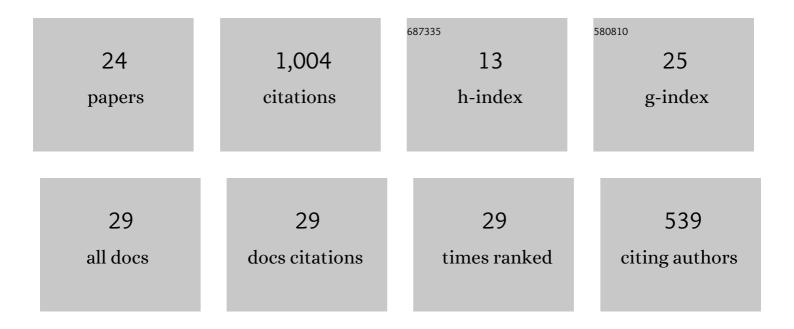
Filipe Marques

List of Publications by Year in descending order

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FILIDE MADOLIES

#	Article	IF	CITATIONS
1	A survey and comparison of several friction force models for dynamic analysis of multibody mechanical systems. Nonlinear Dynamics, 2016, 86, 1407-1443.	5.2	292
2	An enhanced formulation to model spatial revolute joints with radial and axial clearances. Mechanism and Machine Theory, 2017, 116, 123-144.	4.5	117
3	Modeling and analysis of friction including rolling effects in multibody dynamics: a review. Multibody System Dynamics, 2019, 45, 223-244.	2.7	110
4	On the constraints violation in forward dynamics of multibody systems. Multibody System Dynamics, 2017, 39, 385-419.	2.7	88
5	An investigation of a novel LuGre-based friction force model. Mechanism and Machine Theory, 2021, 166, 104493.	4.5	54
6	A three-dimensional approach for contact detection between realistic wheel and rail surfaces for improved railway dynamic analysis. Mechanism and Machine Theory, 2020, 149, 103825.	4.5	48
7	Implementation of a non-Hertzian contact model for railway dynamic application. Multibody System Dynamics, 2020, 48, 41-78.	2.7	42
8	A Study on the Dynamics of Spatial Mechanisms With Frictional Spherical Clearance Joints. Journal of Computational and Nonlinear Dynamics, 2017, 12, .	1.2	41
9	A finite element model of a 3D dry revolute joint incorporated in a multibody dynamic analysis. Multibody System Dynamics, 2019, 45, 293-313.	2.7	32
10	Examination and comparison of different methods to model closed loop kinematic chains using Lagrangian formulation with cut joint, clearance joint constraint and elastic joint approaches. Mechanism and Machine Theory, 2021, 160, 104294.	4.5	31
11	On the Frictional Contacts in Multibody System Dynamics. Computational Methods in Applied Sciences (Springer), 2016, , 67-91.	0.3	27
12	A compendium of contact force models inspired by Hunt and Crossley's cornerstone work. Mechanism and Machine Theory, 2022, 167, 104501.	4.5	27
13	On the generation of enhanced lookup tables for wheel-rail contact models. Wear, 2019, 434-435, 202993.	3.1	23
14	Wheel-rail contact models in the presence of switches and crossings. Vehicle System Dynamics, 2023, 61, 838-870.	3.7	15
15	On the Modeling of Biomechanical Systems for Human Movement Analysis: A Narrative Review. Archives of Computational Methods in Engineering, 2022, 29, 4915-4958.	10.2	10
16	The first fifty years of the Mechanism and Machine Theory: Standing back and looking forward. Mechanism and Machine Theory, 2018, 125, 8-20.	4.5	8
17	A novel heat transfer coefficient identification methodology for the profile extrusion calibration stage. Applied Thermal Engineering, 2016, 103, 102-111.	6.0	7
18	Dynamic Modeling and Analysis of Pool Balls Interaction. Computational Methods in Applied Sciences (Springer), 2020, , 79-86.	0.3	5

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#	Article	IF	CITATIONS
19	A new energy conservation scheme for the numeric study of the heat transfer in profile extrusion calibration. Heat and Mass Transfer, 2017, 53, 2901-2913.	2.1	4
20	Utilization of Non-Conformal Wheel Surfaces for Railway Dynamics. Mechanisms and Machine Science, 2019, , 3291-3300.	0.5	3
21	A Study on the Dynamics of Spatial Mechanisms With Frictional Spherical Clearance Joints. , 2016, , .		2
22	An Optimization Approach to Generate Accurate and Efficient Lookup Tables for Engineering Applications. , 2019, , 1446-1457.		2
23	Railway Dynamics with Curved Contact Patch. Mechanisms and Machine Science, 2022, , 105-113.	0.5	Ο
24	On the Utilization of Simplified Methodologies for the Wheel-Rail Contact. Mechanisms and Machine Science, 2022, , 114-121.	0.5	0