

# JesÃ³s Meneses Alonso

## List of Publications by Year in descending order

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27  
papers

341  
citations

759233

12  
h-index

888059

17  
g-index

27  
all docs

27  
docs citations

27  
times ranked

330  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling multiple-simultaneous impact problems with a nonlinear smooth approach: pool/billiard application. <i>Nonlinear Dynamics</i> , 2022, 107, 1859-1886.	5.2	12
2	Predictive Suspension Algorithm for Land Vehicles over Deterministic Topography. <i>Mathematics</i> , 2022, 10, 1467.	2.2	0
3	Spatial Algorithms for Geometric Contact Detection in Multibody System Dynamics. <i>Mathematics</i> , 2021, 9, 1359.	2.2	18
4	Dynamic Modeling of the Dissipative Contact and Friction Forces of a Passive Biped-Walking Robot. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2342.	2.5	34
5	Crack detection in freight railway axles using Power Spectral Density and Empirical Mode Decomposition Techniques. <i>Mechanisms and Machine Science</i> , 2019, , 3691-3701.	0.5	2
6	The Rotary into Helical Transmission by the "Friction Cam-Helical Follower" Kinematic Pair. <i>Mechanisms and Machine Science</i> , 2019, , 275-283.	0.5	1
7	Methodology for the navigation optimization of a terrain-adaptive unmanned ground vehicle. <i>International Journal of Advanced Robotic Systems</i> , 2018, 15, 172988141775272.	2.1	16
8	The kinematics of the rotary into helical gear transmission. <i>Mechanism and Machine Theory</i> , 2017, 108, 110-122.	4.5	6
9	Automatic detection of cracked rotors combining multiresolution analysis and artificial neural networks. <i>JVC/Journal of Vibration and Control</i> , 2015, 21, 3047-3060.	2.6	18
10	Forward and Inverse Dynamics of the Biped PASIBOT. <i>International Journal of Advanced Robotic Systems</i> , 2014, 11, 109.	2.1	16
11	A CONFIGURATION OPTIMIZATION ALGORITHM BASED ON QUASI-STATIC APPROACH FOR A UGV. , 2014, , .		0
12	Kinematics and Dynamics of the Quasi-Passive Biped "PASIBOT". <i>Strojniski Vestnik/Journal of Mechanical Engineering</i> , 2011, 57, 879-887.	1.1	17
13	Center of percussion and gait design of biped robots. <i>Mechanism and Machine Theory</i> , 2010, 45, 1681-1693.	4.5	20
14	A study of sliding between rollers and races in a roller bearing with a numerical model for mechanical event simulations. <i>Tribology International</i> , 2010, 43, 2175-2182.	5.9	36
15	MECHANICAL DESIGN OF WALKING ROBOT PASIBOT-PARAMETRIC MODEL AND GAIT ANALYSIS. , 2009, , .		1
16	Nondispersive infrared monitoring of NO emissions in exhaust gases of vehicles. <i>Review of Scientific Instruments</i> , 1999, 70, 3156-3159.	1.3	16
17	PbSe photodetector arrays for IR sensors. <i>Thin Solid Films</i> , 1998, 317, 425-428.	1.8	54
18	Spot shape and size on the focal plane of specific infrared nonimaging sensors for the detection of forest fires. , 1998, 3436, 949.		2

#	ARTICLE	IF	CITATIONS
19	A new method for imaging of carbon monoxide in combustion environments. Review of Scientific Instruments, 1997, 68, 2568-2573.	1.3	4
20	<title>New spectral selection system for infrared imaging of carbon monoxide in combustion environments</title>. , 1997, , .		0
21	<title>Ground-based FTIR remote sensing of ozone</title>. , 1997, , .		0
22	<title>High-resolution multigas sensors based on solid state resonant cavities</title>. , 1996, , .		2
23	Fabry-Perot resonators for high-resolution infrared gas sensors. , 1996, , .		3
24	Spectrally selective gas cell for electrooptical infrared compact multigas sensor. Sensors and Actuators A: Physical, 1995, 47, 417-421.	4.1	48
25	Electrooptical infrared compact gas sensor. Sensors and Actuators B: Chemical, 1994, 19, 682-686.	7.8	13
26	Design of a new sensor of multiple gases based on the integration of interference filters. , 1994, 2253, 872.		0
27	A Quasi-Static Approach to Optimize the Motion of an UGV Depending on the Track Profile. Solid State Phenomena, 0, 220-221, 774-780.	0.3	2