

Florina Carmen Ciornei

List of Publications by Year in Descending Order

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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.

46
papers

55
citations

4
h-index

5
g-index

48
ext. papers

74
ext. citations

0.5
avg, IF

2.01
L-index

#	Paper	IF	Citations
46	A Numerical Procedure for Position Analysis of a Robotic Structure. Part I: General Methodology. <i>Mechanisms and Machine Science</i> , 2021 , 23-32	0.3	0
45	A Numerical Procedure for Position Analysis of a Robotic Structure. Part II: 3C Robotic Arm Illustration. <i>Mechanisms and Machine Science</i> , 2021 , 33-42	0.3	0
44	An Analytical Solution for Non-Linear Viscoelastic Impact. <i>Mathematics</i> , 2021 , 9, 1849	2.3	0
43	Proposed parameter for the characterization of friction in cylindrical gears teeth contact. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 724, 012008	0.4	0
42	Upon the efficiency of gear transmissions. <i>Journal of Physics: Conference Series</i> , 2020 , 1426, 012012	0.3	0
41	Indetermination versus incompatibility in dynamic systems with dry friction. <i>Journal of Physics: Conference Series</i> , 2020 , 1426, 012011	0.3	0
40	Aspects concerning the friction for the motion on an inclined plane of an axisymmetric body. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 477, 012036	0.4	1
39	Kinematical analysis of a generalized Cardanic joint. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 477, 012037	0.4	2
38	An improved technique of finding the coefficient of rolling friction by inclined plane method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 514, 012004	0.4	1
37	Method for simultaneous estimation of rolling and spinning friction in a higher pair. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 514, 012005	0.4	0
36	Use of dual numbers in kinematical analysis of spatial mechanisms. Part I: principle of the method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 568, 012033	0.4	3
35	Use of dual numbers in kinematical analysis of spatial mechanisms. Part II: applying the method for the generalised Cardan mechanism. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 568, 012032	0.4	2
34	Scuffing analysis of roller-shoe mechanism after an aggressive test. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 591, 012020	0.4	2
33	Employment of hyper-cycloidal oscillatory motion for finding the coefficient of rolling friction. Part 2: Experimental investigation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 514, 012003	0.4	0
32	Finding the coefficient of rolling friction using a pericycloidal pendulum. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 444, 022015	0.4	4
31	Determining the coefficient of rolling friction using hypocycloidal oscillations. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 444, 022017	0.4	0
30	Grapho-analytical kinematic analysis for plane cam mechanisms and follower with finite curvature. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 444, 052001	0.4	0

29	An improved model for the damped impact of composite materials applicable to wind turbine blades. <i>MATEC Web of Conferences</i> , 2018 , 184, 01008	0.3	
28	Dynamical analysis of a 2-degrees of freedom spatial pendulum. <i>MATEC Web of Conferences</i> , 2018 , 184, 01003	0.3	1
27	The importance of correct specification of tribological parameters in dynamical systems modelling. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 294, 012039	0.4	2
26	Analytical kinematics for direct coupled shafts using a point-surface contact. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 444, 052002	0.4	1
25	Identification of exponent from load-deformation relation for soft materials from impact tests. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 294, 012041	0.4	
24	Considerations on finding the rolling and spinning friction coefficients. <i>MATEC Web of Conferences</i> , 2018 , 184, 01009	0.3	
23	Graphical-analytical analysis of the mechanism with rotating cam and flat-face follower. <i>MATEC Web of Conferences</i> , 2018 , 184, 01010	0.3	0
22	Upon the relationship between rolling friction and sliding friction. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 400, 042002	0.4	2
21	Valuation of coefficient of rolling friction by the inclined plane method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 200, 012006	0.4	6
20	Damped periodic motions used in the study of the drag coefficient. <i>MATEC Web of Conferences</i> , 2017 , 112, 07003	0.3	
19	Rigidity versus deformability hypothesis in impact dynamics. <i>MATEC Web of Conferences</i> , 2017 , 112, 07005	0.3	
18	The effect of transport velocity upon spin torque. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 174, 012008	0.4	2
17	Method and device for measurement of dynamic viscosity. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 174, 012041	0.4	2
16	Testing the assumption of linear dependence between the rolling friction torque and normal force. <i>MATEC Web of Conferences</i> , 2017 , 112, 07002	0.3	1
15	A method for the determination of the coefficient of rolling friction using cycloidal pendulum. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 227, 012027	0.4	6
14	Estimation of coefficient of rolling friction by the evolvent pendulum method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 200, 012005	0.4	5
13	Use of loading-unloading compression curves in medical device design. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 227, 012026	0.4	
12	Method and device for dynamic modelling of rubbery materials applied to human soft tissues. Part I: determination of mechanical characteristics and dynamic model proposal. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 161, 012056	0.4	

11	Determination of the coefficient of friction using spinning motion. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 147, 012024	0.4	1
10	Considerations upon applying tripodic coupling in artificial hip joint. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 147, 012074	0.4	1
9	Method and device for dynamic modelling of rubbery materials applied to human soft tissues. Part II: device and experimental results. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 161, 012057	0.4	
8	Experimental Highlight of Hysteresis Phenomenon in Rolling Contact. <i>Journal of Physics: Conference Series</i> , 2015 , 585, 012010	0.3	
7	Method of Integration for Equation of Two Balls in Dumped Collision. <i>Journal of Physics: Conference Series</i> , 2015 , 585, 012008	0.3	2
6	Some Consideration Regarding the Models for Collisions with Plastic Indentation. <i>Applied Mechanics and Materials</i> , 2014 , 658, 161-166	0.3	1
5	CONSIDERATIONS UPON A NEW TRIPOD JOINT SOLUTION. <i>Mechanika</i> , 2013 , 19,	1.5	7
4	Upon Applying Closed Contours Method in Plane Mechanisms with Higher Pairs 2010 , 207-216		
3	Experimental Aspects Concerning Self-locking Angle 2010 , 479-493		
2	The effect of mass eccentricity upon tribological test results. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 444, 022016	0.4	
1	Employment of hyper-cycloidal oscillatory motion for finding the coefficient of rolling friction. Part 1: Theoretical model. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 514, 012002	0.4	