Florina Carmen Ciornei

List of Publications by Citations

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	CONSIDERATIONS UPON A NEW TRIPOD JOINT SOLUTION. *Mechanika*, **2013**, 19,	1.5	7
45	Valuation of coefficient of rolling friction by the inclined plane method. *IOP Conference Series: Materials Science and Engineering*, **2017**, 200, 012006	0.4	6
44	A method for the determination of the coefficient of rolling friction using cycloidal pendulum. *IOP Conference Series: Materials Science and Engineering*, **2017**, 227, 012027	0.4	6
43	Estimation of coefficient of rolling friction by the evolvent pendulum method. *IOP Conference Series: Materials Science and Engineering*, **2017**, 200, 012005	0.4	5
42	Finding the coefficient of rolling friction using a pericycloidal pendulum. *IOP Conference Series: Materials Science and Engineering*, **2018**, 444, 022015	0.4	4
41	Use of dual numbers in kinematical analysis of spatial mechanisms. Part I: principle of the method. *IOP Conference Series: Materials Science and Engineering*, **2019**, 568, 012033	0.4	3
40	Kinematical analysis of a generalized Cardanic joint. *IOP Conference Series: Materials Science and Engineering*, **2019**, 477, 012037	0.4	2
39	The effect of transport velocity upon spin torque. *IOP Conference Series: Materials Science and Engineering*, **2017**, 174, 012008	0.4	2
38	Method and device for measurement of dynamic viscosity. *IOP Conference Series: Materials Science and Engineering*, **2017**, 174, 012041	0.4	2
37	Method of Integration for Equation of Two Balls in Dumped Collision. *Journal of Physics: Conference Series*, **2015**, 585, 012008	0.3	2
36	Use of dual numbers in kinematical analysis of spatial mechanisms. Part II: applying the method for the generalised Cardan mechanism. *IOP Conference Series: Materials Science and Engineering*, **2019**, 568, 012032	0.4	2
35	Scuffing analysis of roller-shoe mechanism after an aggressive test. *IOP Conference Series: Materials Science and Engineering*, **2019**, 591, 012020	0.4	2
34	The importance of correct specification of tribological parameters in dynamical systems modelling. *IOP Conference Series: Materials Science and Engineering*, **2018**, 294, 012039	0.4	2
33	Upon the relationship between rolling friction and sliding friction. *IOP Conference Series: Materials Science and Engineering*, **2018**, 400, 042002	0.4	2
32	Aspects concerning the friction for the motion on an inclined plane of an axisymmetric body. *IOP Conference Series: Materials Science and Engineering*, **2019**, 477, 012036	0.4	1
31	Determination of the coefficient of friction using spinning motion. *IOP Conference Series: Materials Science and Engineering*, **2016**, 147, 012024	0.4	1
30	Considerations upon applying tripodic coupling in artificial hip joint. *IOP Conference Series: Materials Science and Engineering*, **2016**, 147, 012074	0.4	1

29	Testing the assumption of linear dependence between the rolling friction torque and normal force. *MATEC Web of Conferences*, **2017**, 112, 07002	0.3	1
28	Some Consideration Regarding the Models for Collisions with Plastic Indentation. *Applied Mechanics and Materials*, **2014**, 658, 161-166	0.3	1
27	An improved technique of finding the coefficient of rolling friction by inclined plane method. *IOP Conference Series: Materials Science and Engineering*, **2019**, 514, 012004	0.4	1
26	Dynamical analysis of a 2-degrees of freedom spatial pendulum. *MATEC Web of Conferences*, **2018**, 184, 01003	0.3	1
25	Analytical kinematics for direct coupled shafts using a point-surface contact. *IOP Conference Series: Materials Science and Engineering*, **2018**, 444, 052002	0.4	1
24	Proposed parameter for the characterization of friction in cylindrical gears teeth contact. *IOP Conference Series: Materials Science and Engineering*, **2020**, 724, 012008	0.4	0
23	Graphical-analytical analysis of the mechanism with rotating cam and flat-face follower. *MATEC Web of Conferences*, **2018**, 184, 01010	0.3	0
22	An Analytical Solution for Non-Linear Viscoelastic Impact. *Mathematics*, **2021**, 9, 1849	2.3	0
21	Method and device for dynamic modelling of rubbery materials applied to human soft tissues. Part I: determination of mechanical characteristics and dynamic model proposal. *IOP Conference Series: Materials Science and Engineering*, **2016**, 161, 012056	0.4	
20	Method and device for dynamic modelling of rubbery materials applied to human soft tissues. Part II: device and experimental results. *IOP Conference Series: Materials Science and Engineering*, **2016**, 161, 012057	0.4	
19	Upon the efficiency of gear transmissions. *Journal of Physics: Conference Series*, **2020**, 1426, 012012	0.3	
18	Indetermination versus incompatibility in dynamic systems with dry friction. *Journal of Physics: Conference Series*, **2020**, 1426, 012011	0.3	
17	Damped periodic motions used in the study of the drag coefficient. *MATEC Web of Conferences*, **2017**, 112, 07003	0.3	
16	Rigidity versus deformability hypothesis in impact dynamics. *MATEC Web of Conferences*, **2017**, 112, 07005	0.3	
15	Use of loading-unloading compression curves in medical device design. *IOP Conference Series: Materials Science and Engineering*, **2017**, 227, 012026	0.4	
14	Experimental Highlight of Hysteresis Phenomenon in Rolling Contact. *Journal of Physics: Conference Series*, **2015**, 585, 012010	0.3	
13	A Numerical Procedure for Position Analysis of a Robotic Structure. Part I: General Methodology. *Mechanisms and Machine Science*, **2021**, 23-32	0.3	
12	A Numerical Procedure for Position Analysis of a Robotic Structure. Part II: 3C Robotic Arm Illustration. *Mechanisms and Machine Science*, **2021**, 33-42	0.3	

11	The effect of mass eccentricity upon tribological test results. *IOP Conference Series: Materials Science and Engineering*,444, 022016	0.4
10	Employment of hyper-cycloidal oscillatory motion for finding the coefficient of rolling friction. Part 1: Theoretical model. *IOP Conference Series: Materials Science and Engineering*,514, 012002	0.4
9	Upon Applying Closed Contours Method in Plane Mechanisms with Higher Pairs **2010**, 207-216	
8	Experimental Aspects Concerning Self-locking Angle **2010**, 479-493	
7	Method for simultaneous estimation of rolling and spinning friction in a higher pair. *IOP Conference Series: Materials Science and Engineering*, **2019**, 514, 012005	0.4
6	Employment of hyper-cycloidal oscillatory motion for finding the coefficient of rolling friction. Part 2: Experimental investigation. *IOP Conference Series: Materials Science and Engineering*, **2019**, 514, 012003	0.4
5	Determining the coefficient of rolling friction using hypocycloidal oscillations. *IOP Conference Series: Materials Science and Engineering*, **2018**, 444, 022017	0.4
4	Grapho-analytical kinematic analysis for plane cam mechanisms and follower with finite curvature. *IOP Conference Series: Materials Science and Engineering*, **2018**, 444, 052001	0.4
3	An improved model for the damped impact of composite materials applicable to wind turbine blades. *MATEC Web of Conferences*, **2018**, 184, 01008	0.3
2	Identification of exponent from load-deformation relation for soft materials from impact tests. *IOP Conference Series: Materials Science and Engineering*, **2018**, 294, 012041	0.4
1	Considerations on finding the rolling and spinning friction coefficients. *MATEC Web of Conferences*, **2018**, 184, 01009	0.3