

Giuseppe Carbone

List of Publications by Year in descending order

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157
papers

5,276
citations

87401

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65
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164
all docs

164
docs citations

164
times ranked

3183
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling and simulation in tribology across scales: An overview. <i>Tribology International</i> , 2018, 125, 169-199.	3.0	335
2	Meeting the Contact-Mechanics Challenge. <i>Tribology Letters</i> , 2017, 65, 1.	1.2	232
3	Origin of the superior adhesive performance of mushroom-shaped microstructured surfaces. <i>Soft Matter</i> , 2011, 7, 5545.	1.2	226
4	Asperity contact theories: Do they predict linearity between contact area and load?. <i>Journal of the Mechanics and Physics of Solids</i> , 2008, 56, 2555-2572.	2.3	205
5	A new efficient numerical method for contact mechanics of rough surfaces. <i>International Journal of Solids and Structures</i> , 2012, 49, 338-343.	1.3	140
6	A novel methodology to predict sliding and rolling friction of viscoelastic materials: Theory and experiments. <i>Journal of the Mechanics and Physics of Solids</i> , 2013, 61, 1822-1834.	2.3	140
7	Contact mechanics and rubber friction for randomly rough surfaces with anisotropic statistical properties. <i>European Physical Journal E</i> , 2009, 29, 275-284.	0.7	131
8	Adhesion and friction of an elastic half-space in contact with a slightly wavy rigid surface. <i>Journal of the Mechanics and Physics of Solids</i> , 2004, 52, 1267-1287.	2.3	108
9	Sticky Bio-Inspired Micropillars: Finding the Best Shape. <i>Small</i> , 2012, 8, 1449-1454.	5.2	103
10	The influence of the statistical properties of self-affine surfaces in elastic contacts: A numerical investigation. <i>Journal of the Mechanics and Physics of Solids</i> , 2012, 60, 973-982.	2.3	101
11	CVT dynamics: Theory and experiments. <i>Mechanism and Machine Theory</i> , 2007, 42, 409-428.	2.7	91
12	Hydrophobic properties of a wavy rough substrate. <i>European Physical Journal E</i> , 2005, 16, 67-76.	0.7	89
13	Friction Properties of Lubricated Laser-MicroTextured-Surfaces: An Experimental Study from Boundary- to Hydrodynamic-Lubrication. <i>Tribology Letters</i> , 2013, 49, 117-125.	1.2	86
14	Interacting and coalescing Hertzian asperities: A new multiasperity contact model. <i>Wear</i> , 2012, 278-279, 28-33.	1.5	82
15	Adhesive contact of rough surfaces: Comparison between numerical calculations and analytical theories. <i>European Physical Journal E</i> , 2009, 30, 65-74.	0.7	79
16	A comparison of the performances of full and half toroidal traction drives. <i>Mechanism and Machine Theory</i> , 2004, 39, 921-942.	2.7	74
17	Analysis of the adhesive contact of confined layers by using a Green's function approach. <i>Journal of the Mechanics and Physics of Solids</i> , 2008, 56, 684-706.	2.3	72
18	Minimize friction of lubricated laser-microtextured-surfaces by tuning microholes depth. <i>Tribology International</i> , 2014, 75, 123-127.	3.0	71

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19	Elastic Contact Mechanics of Randomly Rough Surfaces: An Assessment of Advanced Asperity Models and Persson's Theory. Tribology Letters, 2018, 66, 1.	1.2	68
20	The Influence of Pulley Deformations on the Shifting Mechanism of Metal Belt CVT. Journal of Mechanical Design, Transactions of the ASME, 2005, 127, 103-113.	1.7	63
21	Leakage mechanism in flat seals. Journal of Applied Physics, 2009, 106, .	1.1	63
22	Lubrication in soft rough contacts: A novel homogenized approach. Part I - Theory. Soft Matter, 2011, 7, 10395.	1.2	61
23	Recent Advances in Hydrophobic and Icephobic Surface Treatments of Concrete. Coatings, 2020, 10, 449.	1.2	60
24	Crack motion in viscoelastic solids: The role of the flash temperature. European Physical Journal E, 2005, 17, 261-281.	0.7	59
25	Mechanics of rough contacts in elastic and viscoelastic thin layers. International Journal of Solids and Structures, 2015, 69-70, 507-517.	1.3	58
26	Adhesion between a thin elastic plate and a hard randomly rough substrate. Physical Review B, 2004, 70, .	1.1	55
27	Adhesion of Elastic Thin Films: Double Peeling of Tapes Versus Axisymmetric Peeling of Membranes. Tribology Letters, 2013, 52, 439-447.	1.2	55
28	Effect of thickness and boundary conditions on the behavior of viscoelastic layers in sliding contact with wavy profiles. Journal of the Mechanics and Physics of Solids, 2016, 95, 517-529.	2.3	55
29	A multiscale analysis of elastic contacts and percolation threshold for numerically generated and real rough surfaces. Tribology International, 2013, 64, 148-154.	3.0	54
30	Fluid leakage in seals: An approach based on percolation theory. Tribology International, 2009, 42, 731-737.	3.0	53
31	Effects of the micro surface texturing in lubricated non-conformal point contacts. Tribology International, 2018, 127, 296-301.	3.0	52
32	Role of Statistical Properties of Randomly Rough Surfaces in Controlling Superhydrophobicity. Langmuir, 2013, 29, 599-609.	1.6	50
33	A slightly corrected Greenwood and Williamson model predicts asymptotic linearity between contact area and load. Journal of the Mechanics and Physics of Solids, 2009, 57, 1093-1102.	2.3	49
34	Contact mechanics of rough surfaces: a comparison between theories. Meccanica, 2011, 46, 557-565.	1.2	48
35	Adhesive and adhesiveless contact mechanics of elastic layers on slightly wavy rigid substrates. International Journal of Solids and Structures, 2016, 88-89, 101-109.	1.3	46
36	Hot Cracks in Rubber: Origin of the Giant Toughness of Rubberlike Materials. Physical Review Letters, 2005, 95, 114301.	2.9	45

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37	Rough viscoelastic sliding contact: Theory and experiments. <i>Physical Review E</i> , 2014, 89, 032408.	0.8	44
38	Adhesion control by inflation: implications from biology to artificial attachment device. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 567-573.	1.1	44
39	Adhesion tilt-tolerance in bio-inspired mushroom-shaped adhesive microstructure. <i>Applied Physics Letters</i> , 2014, 104, 011906.	1.5	41
40	Experimental Evidence of Micro-EHL Lubrication in Rough Soft Contacts. <i>Tribology Letters</i> , 2011, 43, 169-174.	1.2	40
41	Rough contact of sliding viscoelastic layers: numerical calculations and theoretical predictions. <i>Tribology International</i> , 2018, 122, 67-75.	3.0	40
42	Experimental Investigation of Viscoelastic Rolling Contacts: A Comparison with Theory. <i>Tribology Letters</i> , 2013, 51, 105-113.	1.2	38
43	Cassie state robustness of plasma generated randomly nano-rough surfaces. <i>Applied Surface Science</i> , 2014, 316, 324-332.	3.1	36
44	Do uniform tangential interfacial stresses enhance adhesion?. <i>Journal of the Mechanics and Physics of Solids</i> , 2018, 112, 145-156.	2.3	36
45	The ultratough peeling of elastic tapes from viscoelastic substrates. <i>Journal of the Mechanics and Physics of Solids</i> , 2016, 96, 223-234.	2.3	35
46	Moving cracks in viscoelastic materials: Temperature and energy-release-rate measurements. <i>Engineering Fracture Mechanics</i> , 2013, 98, 315-325.	2.0	34
47	The Mechanisms of Detachment of Mushroom-shaped Micropillars: From Defect Propagation to Membrane Peeling. <i>Macromolecular Reaction Engineering</i> , 2013, 7, 609-615.	0.9	34
48	Loading-unloading hysteresis loop of randomly rough adhesive contacts. <i>Physical Review E</i> , 2015, 92, 062404.	0.8	34
49	Viscoelastic frictional properties of rubber-layer roller bearings (RLRB) seismic isolators. <i>Meccanica</i> , 2017, 52, 2807-2817.	1.2	34
50	The sliding contact of a rigid wavy surface with a viscoelastic half-space. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2014, 470, 20140392.	1.0	33
51	Elastic contact of rough surfaces: A simple criterion to make 2D isotropic roughness equivalent to 1D one. <i>Wear</i> , 2013, 297, 811-817.	1.5	32
52	The effect of drop volume and micropillar shape on the apparent contact angle of ordered microstructured surfaces. <i>Soft Matter</i> , 2014, 10, 3906.	1.2	31
53	Hydrodynamic lubrication of micro-textured surfaces: Two dimensional CFD-analysis. <i>Tribology International</i> , 2015, 88, 162-169.	3.0	31
54	Biomimetic surfaces with controlled direction-dependent adhesion. <i>Journal of the Royal Society Interface</i> , 2012, 9, 3359-3365.	1.5	30

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55	A review of adhesion mechanisms of mushroom-shaped microstructured adhesives. <i>Meccanica</i> , 2013, 48, 1819-1833.	1.2	30
56	Theory of reciprocating contact for viscoelastic solids. <i>Physical Review E</i> , 2016, 93, 043003.	0.8	30
57	Lubrication in soft rough contacts: A novel homogenized approach. Part II - Discussion. <i>Soft Matter</i> , 2011, 7, 10407.	1.2	29
58	Viscoelasticity induces anisotropy in contacts of rough solids. <i>Journal of the Mechanics and Physics of Solids</i> , 2019, 129, 147-159.	2.3	29
59	Microstructured superhydrorepellent surfaces: effect of drop pressure on fakir-state stability and apparent contact angles. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 325107.	0.7	28
60	Theoretical Model of Metal V-Belt Drives During Rapid Ratio Changing. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2001, 123, 111-117.	1.7	27
61	Traction and Efficiency Performance of the Double Roller Full-Toroidal Variator: A Comparison With Half- and Full-Toroidal Drives. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2012, 134, .	1.7	27
62	Fluid contact angle on solid surfaces: Role of multiscale surface roughness. <i>Journal of Chemical Physics</i> , 2015, 143, 134705.	1.2	27
63	Effect of interfacial air entrapment on the adhesion of bio-inspired mushroom-shaped micro-pillars. <i>Soft Matter</i> , 2012, 8, 7904.	1.2	26
64	Model of human collective decision-making in complex environments. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	26
65	Soft matter laser micro-texturing for friction reduction: An experimental investigation. <i>Tribology International</i> , 2019, 136, 82-86.	3.0	26
66	The multiple V-shaped double peeling of elastic thin films from elastic soft substrates. <i>Journal of the Mechanics and Physics of Solids</i> , 2018, 113, 56-64.	2.3	25
67	Modeling chain continuously variable transmission for direct implementation in transmission control. <i>Mechanism and Machine Theory</i> , 2016, 105, 428-440.	2.7	24
68	Dewetting at soft viscoelastic interfaces. <i>Journal of Chemical Physics</i> , 2004, 121, 2246-2252.	1.2	23
69	An Enhanced CMM Model for the Accurate Prediction of Steady-State Performance of CVT Chain Drives. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2010, 132, .	1.7	23
70	Average separation between a rough surface and a rubber block: Comparison between theories and experiments. <i>Wear</i> , 2010, 268, 984-990.	1.5	23
71	Filamentary superhydrophobic Teflon surfaces: Moderate apparent contact angle but superior air-retaining properties. <i>Journal of Colloid and Interface Science</i> , 2016, 482, 175-182.	5.0	23
72	Exploring the effect of geometric coupling on friction and energy dissipation in rough contacts of elastic and viscoelastic coatings. <i>Journal of the Mechanics and Physics of Solids</i> , 2021, 148, 104273.	2.3	23

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73	Superior hardness and Young's modulus of low temperature nanocrystalline diamond coatings. <i>Materials Chemistry and Physics</i> , 2014, 144, 505-511.	2.0	22
74	Influence of Clearance Between Plates in Metal Pushing V-Belt Dynamics. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2002, 124, 543-557.	1.7	21
75	Criticality triggers the emergence of collective intelligence in groups. <i>Physical Review E</i> , 2017, 96, 022309.	0.8	21
76	Viscoelastic reciprocating contacts in presence of finite rough interfaces: A numerical investigation. <i>Journal of the Mechanics and Physics of Solids</i> , 2018, 114, 185-193.	2.3	21
77	Peeling in electroadhesion soft grippers. <i>Extreme Mechanics Letters</i> , 2022, 50, 101529.	2.0	21
78	Team Resilience in Complex and Turbulent Environments: The Effect of Size and Density of Social Interactions. <i>Complexity</i> , 2018, 2018, 1-11.	0.9	20
79	The nonlinear dynamic behavior of a Rubber-Layer Roller Bearing (RLRB) for vibration isolation. <i>Journal of Sound and Vibration</i> , 2019, 463, 114952.	2.1	20
80	Elastic beam over an adhesive wavy foundation. <i>Journal of Applied Physics</i> , 2004, 95, 4476-4482.	1.1	19
81	Water absorption in rubber-cement composites: 3D structure investigation by X-ray computed-tomography. <i>Construction and Building Materials</i> , 2019, 228, 116602.	3.2	19
82	Nonlinear viscoelastic isolation for seismic vibration mitigation. <i>Mechanical Systems and Signal Processing</i> , 2021, 157, 107626.	4.4	19
83	Fuel Consumption of a Mid Class Vehicle with Infinitely Variable Transmission. , 2001, , .		18
84	Design Optimization of Input and Output Coupled Power Split Infinitely Variable Transmissions. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2009, 131, .	1.7	18
85	Are distrust relationships beneficial for group performance? The influence of the scope of distrust on the emergence of collective intelligence. <i>International Journal of Production Economics</i> , 2019, 208, 343-355.	5.1	17
86	A theoretical and experimental study of viscoelastic rolling contacts incorporating thermal effects. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2014, 228, 1112-1121.	1.0	16
87	Sphere-on-cone microstructures on Teflon surface: Repulsive behavior against impacting water droplets. <i>Materials and Design</i> , 2016, 92, 1052-1061.	3.3	16
88	Soft blasting of fluorinated polymers: The easy way to superhydrophobicity. <i>Materials and Design</i> , 2017, 121, 414-420.	3.3	16
89	Shift dynamics modelling for optimisation of variator slip control in a pushbelt CVT. <i>International Journal of Vehicle Design</i> , 2008, 48, 45.	0.1	15
90	Mimicking the collective intelligence of human groups as an optimization tool for complex problems. <i>Chaos, Solitons and Fractals</i> , 2018, 110, 259-266.	2.5	15

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91	Load sensitive super-hardness of nanocrystalline diamond coatings. <i>Diamond and Related Materials</i> , 2020, 101, 107653.	1.8	14
92	Laser Microtextured Surfaces for Friction Reduction: Does the Pattern Matter?. <i>Materials</i> , 2020, 13, 4915.	1.3	14
93	Mechanical Hybrid KERS Based on Toroidal Traction Drives: An Example of Smart Tribological Design to Improve Terrestrial Vehicle Performance. <i>Advances in Tribology</i> , 2013, 2013, 1-9.	2.1	13
94	A review of boundary elements methodologies for elastic and viscoelastic rough contact mechanics. <i>Physical Mesomechanics</i> , 2014, 17, 321-333.	1.0	13
95	Femtosecond laser full and partial texturing of steel surfaces to reduce friction in lubricated contact. <i>Advanced Optical Technologies</i> , 2014, 3, 539-547.	0.9	13
96	Tuning the periodic V-peeling behavior of elastic tapes applied to thin compliant substrates. <i>International Journal of Mechanical Sciences</i> , 2020, 170, 105331.	3.6	13
97	EHL visco-plastic friction model in CVT shifting behaviour. <i>International Journal of Vehicle Design</i> , 2003, 32, 332.	0.1	12
98	Non-linear oscillations in a passive magnetic suspension. <i>International Journal of Non-Linear Mechanics</i> , 2006, 41, 1039-1049.	1.4	12
99	Equilibrium states and stability of pre-tensioned adhesive tapes. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 1725-1731.	1.5	12
100	Direction-dependent adhesion of micro-walls based biomimetic adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2015, 61, 93-98.	1.4	12
101	Wenzel to Cassie Transition in Superhydrophobic Randomly Rough Surfaces. <i>Nanoscience and Nanotechnology Letters</i> , 2015, 7, 74-78.	0.4	12
102	Non-Uniform Laser Surface Texturing of an Un-Tapered Square Pad for Tribological Applications. <i>Lubricants</i> , 2017, 5, 41.	1.2	12
103	On the peeling of elastic tapes from viscoelastic substrates: Designing materials for ultratough peeling. <i>Tribology International</i> , 2020, 146, 106060.	3.0	12
104	EHL squeeze at pin-pulley interface in CVTs: Influence of lubricant rheology. <i>Tribology International</i> , 2009, 42, 862-868.	3.0	11
105	The Influence of the Fractal Dimension of Rough Surfaces on the Adhesion of Elastic Materials. <i>Journal of Adhesion Science and Technology</i> , 2012, 26, 2555-2570.	1.4	11
106	A Two-Scale Approach for Lubricated Soft-Contact Modeling: An Application to Lip-Seal Geometry. <i>Advances in Tribology</i> , 2012, 2012, 1-12.	2.1	11
107	The surface displacements of an elastic half-space subjected to uniform tangential tractions applied on a circular area. <i>European Journal of Mechanics, A/Solids</i> , 2019, 73, 137-143.	2.1	11
108	Sensing inhomogeneous mechanical properties of human corneal Descemet's membrane with AFM nano-indentation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 74, 21-27.	1.5	10

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109	An Ising-based dynamic model to study the effect of social interactions on firm absorptive capacity. <i>International Journal of Production Economics</i> , 2017, 194, 214-227.	5.1	10
110	Effect of drop volume and surface statistics on the superhydrophobicity of randomly rough substrates. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 045001.	0.7	10
111	Search behavior of individuals working in teams: A behavioral study on complex landscapes. <i>Journal of Business Research</i> , 2020, 118, 507-516.	5.8	10
112	NuVinci drive: Modeling and performance analysis. <i>Mechanism and Machine Theory</i> , 2020, 150, 103877.	2.7	10
113	A new technique for the characterization of viscoelastic materials: Theory, experiments and comparison with DMA. <i>Journal of Sound and Vibration</i> , 2021, 515, 116462.	2.1	10
114	Team Social Network Structure and Resilience: A Complex System Approach. <i>IEEE Transactions on Engineering Management</i> , 2023, 70, 209-219.	2.4	10
115	Experimental Investigation of Chain Link Forces in Continuously Variable Transmissions. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2010, 132, .	1.7	9
116	Varying the Geometry of Laser Surface Microtexturing to Enhance the Frictional Behavior of Lubricated Steel Surfaces. <i>Physics Procedia</i> , 2013, 41, 677-682.	1.2	9
117	An effective medium approach to predict the apparent contact angle of drops on super-hydrophobic randomly rough surfaces. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 015009.	0.7	9
118	Friction in rough contacts of linear viscoelastic surfaces with anisotropic statistical properties. <i>European Physical Journal E</i> , 2019, 42, 80.	0.7	9
119	The role of interfacial friction on the peeling of thin viscoelastic tapes. <i>Journal of the Mechanics and Physics of Solids</i> , 2022, 159, 104706.	2.3	9
120	Friction in Totally Optical Robotic Finger Oriented on Shear Force Measurement. <i>IEEE Sensors Journal</i> , 2013, 13, 548-555.	2.4	8
121	Statistical theory of wetting of liquid drops on superhydrophobic randomly rough surfaces. <i>Physical Review E</i> , 2015, 92, 042407.	0.8	8
122	Modelling and efficiency formulation of a planetary traction drive CVT. <i>IFAC-PapersOnLine</i> , 2019, 52, 411-416.	0.5	8
123	The Contact Mechanics of Coated Elastic Solids: Effect of Coating Thickness and Stiffness. <i>Tribology Letters</i> , 2019, 67, 1.	1.2	8
124	Transition from elastohydrodynamic to mixed lubrication in highly loaded squeeze contacts. <i>Journal of the Mechanics and Physics of Solids</i> , 2010, 58, 1361-1373.	2.3	7
125	A novel probabilistic approach to assess the blade throw hazard of wind turbines. <i>Renewable Energy</i> , 2013, 51, 474-481.	4.3	7
126	Viscoelastic Damping in alternate reciprocating contacts. <i>Scientific Reports</i> , 2017, 7, 8333.	1.6	7

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127	Non-linear double-peeling: Experimental vs. theoretical predictions. Journal of Adhesion, 2018, 94, 46-57.	1.8	7
128	The Indentation Rolling Resistance in Belt Conveyors: A Model for the Viscoelastic Friction. Lubricants, 2019, 7, 58.	1.2	7
129	Tuning fork microgyrometers: Narrow gap vs. wide gap design. Journal of Sound and Vibration, 2009, 322, 78-97.	2.1	6
130	The Lubrication Regime at Pin-Pulley Interface in Chain CVTs. Journal of Mechanical Design, Transactions of the ASME, 2009, 131, .	1.7	6
131	A Theoretical Characterization of Curvature Controlled Adhesive Properties of Bio-Inspired Membranes. Biomimetics, 2016, 1, 3.	1.5	6
132	Role of Dextran in Maintaining Adhesive and Stiffness Properties of Prestripped DMEK Lenticules. European Journal of Ophthalmology, 2017, 27, 270-277.	0.7	6
133	Experimental validation of the Carboneâ€Mangialardiâ€Mantriota model of continuously variable transmissions. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2018, 232, 828-837.	1.1	5
134	Dynamically induced friction reduction in micro-structured interfaces. Scientific Reports, 2021, 11, 8094.	1.6	5
135	A CRITICAL ASSESSMENT OF KASSAPOGLOLI'S STATISTICAL MODEL FOR COMPOSITES FATIGUE. Facta Universitatis, Series: Mechanical Engineering, 2018, 16, 115.	2.3	5
136	Laser surface micro-texturing to enhance the frictional behavior of lubricated steel. Proceedings of SPIE, 2014, , .	0.8	4
137	Water entry and fall of hydrophobic and superhydrophobic Teflon spheres. Journal of Physics Condensed Matter, 2018, 30, 445001.	0.7	3
138	Thermoelastic effects in the contact mechanics of 1D+1D rough profiles. International Journal of Solids and Structures, 2022, 253, 111635.	1.3	3
139	Ferromagnetic Properties of Hybrid Cementite and Diamond Nanocomposite. Smart Science, 2013, 1, 69-74.	1.9	2
140	An Ising-based approach to the study of inter-organizational team dynamics. , 2014, , .		2
141	Thermal Fluctuations and Dynamic Modeling of a dAFM Cantilever. Advanced Theory and Simulations, 2019, 2, 1900004.	1.3	2
142	Common-Rail Pressure Control Using a Model Reference Adaptive Control Approach. , 2019, , .		2
143	A Dynamic Simulation of a Novel Continuous Variable Transmission. Mechanisms and Machine Science, 2014, , 109-116.	0.3	2
144	Double peeling of elastic pre-tensioned tapes. Frattura Ed Integrita Strutturale, 2014, 8, 237-243.	0.5	1

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145	Contact Mechanics of Mushroom-Shaped Adhesive Structures. <i>Biologically-inspired Systems</i> , 2017, , 245-276.	0.4	1
146	Road vehicles travelling with time-dependent speed: theoretical study on the directional stability. <i>Vehicle System Dynamics</i> , 2021, 59, 1214-1226.	2.2	1
147	State-Space Characterization of Balance Capabilities in Biped Systems with Segmented Feet. <i>Frontiers in Robotics and AI</i> , 2021, 8, 613038.	2.0	1
148	Micro-Textured Surfaces With Parallel Wall-Like Structures: "Modulation"™ of Adhesion Properties With the Direction of the Applied External Moment. , 2014, , .		1
149	The Double Roller Full Toroidal Variator: A Promising Solution for KERS Technology. <i>Lecture Notes in Electrical Engineering</i> , 2013, , 241-250.	0.3	1
150	Adhesion of Elastic Pre-Stressed Tapes. , 2014, , .		0
151	Non-linear dynamic behavior of a Rubber-Layer Roller Bearings (RLRB) isolator. <i>Mechanisms and Machine Science</i> , 2019, , 4105-4115.	0.3	0
152	Adhesion, Friction and Lubrication of Viscoelastic Materials. <i>Lubricants</i> , 2021, 9, 23.	1.2	0
153	Special Issue "Anti-Adhesive Surfaces": <i>Coatings</i> , 2021, 11, 342.	1.2	0
154	Viscoelastic Contact of a Half-Plane Sliding Over a Slightly Wavy Rigid Surface. , 2014, , .		0
155	A PARAMETRICALLY TIME-DEPENDENT METHODOLOGY FOR RECIPROCATING CONTACT MECHANICS BETWEEN VISCOELASTIC SOLIDS. , 2016, , .		0
156	Proof of concept validation of a Common-rail pressure control using a Continuously Variable Transmission (CVT). , 2020, , .		0
157	Common-rail pressure control using a Continuously Variable Transmission (CVT). , 2020, , .		0