

# Giuseppe Carbone

## List of Publications by Year in descending order

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157  
papers

5,276  
citations

87401

40  
h-index

120465

65  
g-index

164  
all docs

164  
docs citations

164  
times ranked

3183  
citing authors

#	ARTICLE	IF	CITATIONS
1	Team Social Network Structure and Resilience: A Complex System Approach. IEEE Transactions on Engineering Management, 2023, 70, 209-219.	2.4	10
2	Peeling in electroadhesion soft grippers. Extreme Mechanics Letters, 2022, 50, 101529.	2.0	21
3	The role of interfacial friction on the peeling of thin viscoelastic tapes. Journal of the Mechanics and Physics of Solids, 2022, 159, 104706.	2.3	9
4	Thermoelastic effects in the contact mechanics of 1D+1D rough profiles. International Journal of Solids and Structures, 2022, 253, 111635.	1.3	3
5	Road vehicles travelling with time-dependent speed: theoretical study on the directional stability. Vehicle System Dynamics, 2021, 59, 1214-1226.	2.2	1
6	Adhesion, Friction and Lubrication of Viscoelastic Materials. Lubricants, 2021, 9, 23.	1.2	0
7	State-Space Characterization of Balance Capabilities in Biped Systems with Segmented Feet. Frontiers in Robotics and AI, 2021, 8, 613038.	2.0	1
8	Special Issue "Anti-Adhesive Surfaces" Coatings, 2021, 11, 342.	1.2	0
9	Exploring the effect of geometric coupling on friction and energy dissipation in rough contacts of elastic and viscoelastic coatings. Journal of the Mechanics and Physics of Solids, 2021, 148, 104273.	2.3	23
10	Dynamically induced friction reduction in micro-structured interfaces. Scientific Reports, 2021, 11, 8094.	1.6	5
11	Nonlinear viscoelastic isolation for seismic vibration mitigation. Mechanical Systems and Signal Processing, 2021, 157, 107626.	4.4	19
12	A new technique for the characterization of viscoelastic materials: Theory, experiments and comparison with DMA. Journal of Sound and Vibration, 2021, 515, 116462.	2.1	10
13	On the peeling of elastic tapes from viscoelastic substrates: Designing materials for ultratough peeling. Tribology International, 2020, 146, 106060.	3.0	12
14	Load sensitive super-hardness of nanocrystalline diamond coatings. Diamond and Related Materials, 2020, 101, 107653.	1.8	14
15	Tuning the periodic V-peeling behavior of elastic tapes applied to thin compliant substrates. International Journal of Mechanical Sciences, 2020, 170, 105331.	3.6	13
16	Search behavior of individuals working in teams: A behavioral study on complex landscapes. Journal of Business Research, 2020, 118, 507-516.	5.8	10
17	Laser Microtextured Surfaces for Friction Reduction: Does the Pattern Matter?. Materials, 2020, 13, 4915.	1.3	14
18	NuVinci drive: Modeling and performance analysis. Mechanism and Machine Theory, 2020, 150, 103877.	2.7	10

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19	Recent Advances in Hydrophobic and Icephobic Surface Treatments of Concrete. <i>Coatings</i> , 2020, 10, 449.	1.2	60
20	Proof of concept validation of a Common-rail pressure control using a Continuously Variable Transmission (CVT). , 2020, , .		0
21	Common-rail pressure control using a Continuously Variable Transmission (CVT). , 2020, , .		0
22	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
23	The Indentation Rolling Resistance in Belt Conveyors: A Model for the Viscoelastic Friction. <i>Lubricants</i> , 2019, 7, 58.	1.2	7
24	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
25	Modelling and efficiency formulation of a planetary traction drive CVT. <i>IFAC-PapersOnLine</i> , 2019, 52, 411-416.	0.5	8
26	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
27	The Contact Mechanics of Coated Elastic Solids: Effect of Coating Thickness and Stiffness. <i>Tribology Letters</i> , 2019, 67, 1.	1.2	8
28	Thermal Fluctuations and Dynamic Modeling of a dAFM Cantilever. <i>Advanced Theory and Simulations</i> , 2019, 2, 1900004.	1.3	2
29	Non-linear dynamic behavior of a Rubber-Layer Roller Bearings (RLRB) isolator. <i>Mechanisms and Machine Science</i> , 2019, , 4105-4115.	0.3	0
30	Friction in rough contacts of linear viscoelastic surfaces with anisotropic statistical properties. <i>European Physical Journal E</i> , 2019, 42, 80.	0.7	9
31	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
32	Soft matter laser micro-texturing for friction reduction: An experimental investigation. <i>Tribology International</i> , 2019, 136, 82-86.	3.0	26
33	Common-Rail Pressure Control Using a Model Reference Adaptive Control Approach. , 2019, , .		2
34	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
35	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
36	Rough contact of sliding viscoelastic layers: numerical calculations and theoretical predictions. <i>Tribology International</i> , 2018, 122, 67-75.	3.0	40

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37	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
38	Modeling and simulation in tribology across scales: An overview. <i>Tribology International</i> , 2018, 125, 169-199.	3.0	335
39	Do uniform tangential interfacial stresses enhance adhesion?. <i>Journal of the Mechanics and Physics of Solids</i> , 2018, 112, 145-156.	2.3	36
40	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
41	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
42	Non-linear double-peeling: Experimental vs. theoretical predictions. <i>Journal of Adhesion</i> , 2018, 94, 46-57.	1.8	7
43	Experimental validation of the Carbone-Mangialardi-Mantriota model of continuously variable transmissions. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2018, 232, 828-837.	1.1	5
44	Effects of the micro surface texturing in lubricated non-conformal point contacts. <i>Tribology International</i> , 2018, 127, 296-301.	3.0	52
45	Water entry and fall of hydrophobic and superhydrophobic Teflon spheres. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 445001.	0.7	3
46	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
47	Elastic Contact Mechanics of Randomly Rough Surfaces: An Assessment of Advanced Asperity Models and Persson's Theory. <i>Tribology Letters</i> , 2018, 66, 1.	1.2	68
48	A CRITICAL ASSESSMENT OF KASSAPOGLOU'S STATISTICAL MODEL FOR COMPOSITES FATIGUE. <i>Facta Universitatis, Series: Mechanical Engineering</i> , 2018, 16, 115.	2.3	5
49	Viscoelastic frictional properties of rubber-layer roller bearings (RLRB) seismic isolators. <i>Meccanica</i> , 2017, 52, 2807-2817.	1.2	34
50	Soft blasting of fluorinated polymers: The easy way to superhydrophobicity. <i>Materials and Design</i> , 2017, 121, 414-420.	3.3	16
51	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
52	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
53	Meeting the Contact-Mechanics Challenge. <i>Tribology Letters</i> , 2017, 65, 1.	1.2	232
54	Contact Mechanics of Mushroom-Shaped Adhesive Structures. <i>Biologically-inspired Systems</i> , 2017, , 245-276.	0.4	1

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55	Criticality triggers the emergence of collective intelligence in groups. <i>Physical Review E</i> , 2017, 96, 022309.	0.8	21
56	Role of Dextran in Maintaining Adhesive and Stiffness Properties of Prestripped DMEK Lenticules. <i>European Journal of Ophthalmology</i> , 2017, 27, 270-277.	0.7	6
57	Non-Uniform Laser Surface Texturing of an Un-Tapered Square Pad for Tribological Applications. <i>Lubricants</i> , 2017, 5, 41.	1.2	12
58	Viscoelastic Damping in alternate reciprocating contacts. <i>Scientific Reports</i> , 2017, 7, 8333.	1.6	7
59	A Theoretical Characterization of Curvature Controlled Adhesive Properties of Bio-Inspired Membranes. <i>Biomimetics</i> , 2016, 1, 3.	1.5	6
60	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
61	Modeling chain continuously variable transmission for direct implementation in transmission control. <i>Mechanism and Machine Theory</i> , 2016, 105, 428-440.	2.7	24
62	Theory of reciprocating contact for viscoelastic solids. <i>Physical Review E</i> , 2016, 93, 043003.	0.8	30
63	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
64	Effect of thickness and boundary conditions on the behavior of viscoelastic layers in sliding contact with wavy profiles. <i>Journal of the Mechanics and Physics of Solids</i> , 2016, 95, 517-529.	2.3	55
65	Adhesive and adhesiveless contact mechanics of elastic layers on slightly wavy rigid substrates. <i>International Journal of Solids and Structures</i> , 2016, 88-89, 101-109.	1.3	46
66	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
67	A PARAMETRICALLY TIME-DEPENDENT METHODOLOGY FOR RECIPROCATING CONTACT MECHANICS BETWEEN VISCOELASTIC SOLIDS. , 2016, , .		0
68	Loading-unloading hysteresis loop of randomly rough adhesive contacts. <i>Physical Review E</i> , 2015, 92, 062404.	0.8	34
69	Statistical theory of wetting of liquid drops on superhydrophobic randomly rough surfaces. <i>Physical Review E</i> , 2015, 92, 042407.	0.8	8
70	Fluid contact angle on solid surfaces: Role of multiscale surface roughness. <i>Journal of Chemical Physics</i> , 2015, 143, 134705.	1.2	27
71	Mechanics of rough contacts in elastic and viscoelastic thin layers. <i>International Journal of Solids and Structures</i> , 2015, 69-70, 507-517.	1.3	58
72	Model of human collective decision-making in complex environments. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	26

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73	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
74	Direction-dependent adhesion of micro-walls based biomimetic adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2015, 61, 93-98.	1.4	12
75	Hydrodynamic lubrication of micro-textured surfaces: Two dimensional CFD-analysis. <i>Tribology International</i> , 2015, 88, 162-169.	3.0	31
76	Wenzel to Cassie Transition in Superhydrophobic Randomly Rough Surfaces. <i>Nanoscience and Nanotechnology Letters</i> , 2015, 7, 74-78.	0.4	12
77	Equilibrium states and stability of pre-tensioned adhesive tapes. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 1725-1731.	1.5	12
78	A review of boundary elements methodologies for elastic and viscoelastic rough contact mechanics. <i>Physical Mesomechanics</i> , 2014, 17, 321-333.	1.0	13
79	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
80	Adhesion tilt-tolerance in bio-inspired mushroom-shaped adhesive microstructure. <i>Applied Physics Letters</i> , 2014, 104, 011906.	1.5	41
81	Laser surface micro-texturing to enhance the frictional behavior of lubricated steel. <i>Proceedings of SPIE</i> , 2014, , .	0.8	4
82	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
83	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
84	Double peeling of elastic pre-tensioned tapes. <i>Frattura Ed Integrita Strutturale</i> , 2014, 8, 237-243.	0.5	1
85	Minimize friction of lubricated laser-microtextured-surfaces by tuning microholes depth. <i>Tribology International</i> , 2014, 75, 123-127.	3.0	71
86	Cassie state robustness of plasma generated randomly nano-rough surfaces. <i>Applied Surface Science</i> , 2014, 316, 324-332.	3.1	36
87	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
88	Rough viscoelastic sliding contact: Theory and experiments. <i>Physical Review E</i> , 2014, 89, 032408.	0.8	44
89	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
90	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

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91	Adhesion of Elastic Pre-Stressed Tapes. , 2014, , .		0
92	An Ising-based approach to the study of inter-organizational team dynamics. , 2014, , .		2
93	Micro-Textured Surfaces With Parallel Wall-Like Structures: â€˜Modulationâ€™™ of Adhesion Properties With the Direction of the Applied External Moment. , 2014, , .		1
94	A Dynamic Simulation of a Novel Continuous Variable Transmission. Mechanisms and Machine Science, 2014, , 109-116.	0.3	2
95	Viscoelastic Contact of a Half-Plane Sliding Over a Slightly Wavy Rigid Surface. , 2014, , .		0
96	A review of adhesion mechanisms of mushroom-shaped microstructured adhesives. Meccanica, 2013, 48, 1819-1833.	1.2	30
97	Role of Statistical Properties of Randomly Rough Surfaces in Controlling Superhydrophobicity. Langmuir, 2013, 29, 599-609.	1.6	50
98	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
99	Experimental Investigation of Viscoelastic Rolling Contacts: A Comparison with Theory. Tribology Letters, 2013, 51, 105-113.	1.2	38
100	Elastic contact of rough surfaces: A simple criterion to make 2D isotropic roughness equivalent to 1D one. Wear, 2013, 297, 811-817.	1.5	32
101	Moving cracks in viscoelastic materials: Temperature and energy-release-rate measurements. Engineering Fracture Mechanics, 2013, 98, 315-325.	2.0	34
102	Adhesion of Elastic Thin Films: Double Peeling of Tapes Versus Axisymmetric Peeling of Membranes. Tribology Letters, 2013, 52, 439-447.	1.2	55
103	Friction in Totally Optical Robotic Finger Oriented on Shear Force Measurement. IEEE Sensors Journal, 2013, 13, 548-555.	2.4	8
104	A novel probabilistic approach to assess the blade throw hazard of wind turbines. Renewable Energy, 2013, 51, 474-481.	4.3	7
105	Friction Properties of Lubricated Laser-MicroTextured-Surfaces: An Experimental Study from Boundary- to Hydrodynamic-Lubrication. Tribology Letters, 2013, 49, 117-125.	1.2	86
106	Varying the Geometry of Laser Surface Microtexturing to Enhance the Frictional Behavior of Lubricated Steel Surfaces. Physics Procedia, 2013, 41, 677-682.	1.2	9
107	A novel methodology to predict sliding and rolling friction of viscoelastic materials: Theory and experiments. Journal of the Mechanics and Physics of Solids, 2013, 61, 1822-1834.	2.3	140
108	Mechanical Hybrid KERS Based on Toroidal Traction Drives: An Example of Smart Tribological Design to Improve Terrestrial Vehicle Performance. Advances in Tribology, 2013, 2013, 1-9.	2.1	13

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109	The Mechanisms of Detachment of Mushroom-shaped Micro-pillars: From Defect Propagation to Membrane Peeling. <i>Macromolecular Reaction Engineering</i> , 2013, 7, 609-615.	0.9	34
110	Ferromagnetic Properties of Hybrid Cementite and Diamond Nanocomposite. <i>Smart Science</i> , 2013, 1, 69-74.	1.9	2
111	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
112	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
113	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
114	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
115	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
116	Biomimetic surfaces with controlled direction-dependent adhesion. <i>Journal of the Royal Society Interface</i> , 2012, 9, 3359-3365.	1.5	30
117	Sticky Bio-inspired Micropillars: Finding the Best Shape. <i>Small</i> , 2012, 8, 1449-1454.	5.2	103
118	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
119	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
120	Interacting and coalescing Hertzian asperities: A new multiasperity contact model. <i>Wear</i> , 2012, 278-279, 28-33.	1.5	82
121	Lubrication in soft rough contacts: A novel homogenized approach. Part II - Discussion. <i>Soft Matter</i> , 2011, 7, 10407.	1.2	29
122	Origin of the superior adhesive performance of mushroom-shaped microstructured surfaces. <i>Soft Matter</i> , 2011, 7, 5545.	1.2	226
123	Lubrication in soft rough contacts: A novel homogenized approach. Part I - Theory. <i>Soft Matter</i> , 2011, 7, 10395.	1.2	61
124	Contact mechanics of rough surfaces: a comparison between theories. <i>Meccanica</i> , 2011, 46, 557-565.	1.2	48
125	Experimental Evidence of Micro-EHL Lubrication in Rough Soft Contacts. <i>Tribology Letters</i> , 2011, 43, 169-174.	1.2	40
126	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



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127	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
128	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
129	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
130	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
131	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
132	Fluid leakage in seals: An approach based on percolation theory. <i>Tribology International</i> , 2009, 42, 731-737.	3.0	53
133	EHL squeeze at pin-pulley interface in CVTs: Influence of lubricant rheology. <i>Tribology International</i> , 2009, 42, 862-868.	3.0	11
134	A slightly corrected Greenwood and Williamson model predicts asymptotic linearity between contact area and load. <i>Journal of the Mechanics and Physics of Solids</i> , 2009, 57, 1093-1102.	2.3	49
135	Tuning fork microgyrometers: Narrow gap vs. wide gap design. <i>Journal of Sound and Vibration</i> , 2009, 322, 78-97.	2.1	6
136	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
137	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
138	Leakage mechanism in flat seals. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	63
139	The Lubrication Regime at Pin-Pulley Interface in Chain CVTs. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2009, 131, .	1.7	6
140	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
141	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
142	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
143	CVT dynamics: Theory and experiments. <i>Mechanism and Machine Theory</i> , 2007, 42, 409-428.	2.7	91
144	Non-linear oscillations in a passive magnetic suspension. <i>International Journal of Non-Linear Mechanics</i> , 2006, 41, 1039-1049.	1.4	12

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145	Hydrophobic properties of a wavy rough substrate. European Physical Journal E, 2005, 16, 67-76.	0.7	89
146	Crack motion in viscoelastic solids: The role of the flash temperature. European Physical Journal E, 2005, 17, 261-281.	0.7	59
147	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
148	Hot Cracks in Rubber: Origin of the Giant Toughness of Rubberlike Materials. Physical Review Letters, 2005, 95, 114301.	2.9	45
149	Elastic beam over an adhesive wavy foundation. Journal of Applied Physics, 2004, 95, 4476-4482.	1.1	19
150	Dewetting at soft viscoelastic interfaces. Journal of Chemical Physics, 2004, 121, 2246-2252.	1.2	23
151	Adhesion between a thin elastic plate and a hard randomly rough substrate. Physical Review B, 2004, 70, .	1.1	55
152	A comparison of the performances of full and half toroidal traction drives. Mechanism and Machine Theory, 2004, 39, 921-942.	2.7	74
153	Adhesion and friction of an elastic half-space in contact with a slightly wavy rigid surface. Journal of the Mechanics and Physics of Solids, 2004, 52, 1267-1287.	2.3	108
154	EHL visco-plastic friction model in CVT shifting behaviour. International Journal of Vehicle Design, 2003, 32, 332.	0.1	12
155	Influence of Clearance Between Plates in Metal Pushing V-Belt Dynamics. Journal of Mechanical Design, Transactions of the ASME, 2002, 124, 543-557.	1.7	21
156	Fuel Consumption of a Mid Class Vehicle with Infinitely Variable Transmission. , 2001, , .		18
157	Theoretical Model of Metal V-Belt Drives During Rapid Ratio Changing. Journal of Mechanical Design, Transactions of the ASME, 2001, 123, 111-117.	1.7	27