

# Daniel Nelias

## List of Publications by Year in descending order

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169  
papers

4,114  
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101496

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173  
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173  
docs citations

173  
times ranked

2505  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a Three-Dimensional Semi-Analytical Elastic-Plastic Contact Code. <i>Journal of Tribology</i> , 2002, 124, 653-667.	1.0	217
2	Effects of heat treatments on the microstructure and mechanical properties of a 6061 aluminium alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 2718-2724.	2.6	179
3	Coupled precipitation and yield strength modelling for non-isothermal treatments of a 6061 aluminium alloy. <i>Acta Materialia</i> , 2014, 62, 129-140.	3.8	155
4	Role of Inclusions, Surface Roughness and Operating Conditions on Rolling Contact Fatigue. <i>Journal of Tribology</i> , 1999, 121, 240-251.	1.0	136
5	Chip formation in orthogonal cutting considering interface limiting shear stress and damage evolution based on fracture energy approach. <i>Finite Elements in Analysis and Design</i> , 2011, 47, 850-863.	1.7	113
6	Modelling of multiple impacts for the prediction of distortions and residual stresses induced by ultrasonic shot peening (USP). <i>Journal of Materials Processing Technology</i> , 2012, 212, 2080-2090.	3.1	97
7	A fast and efficient contact algorithm for fretting problems applied to fretting modes I, II and III. <i>Wear</i> , 2010, 268, 208-222.	1.5	93
8	Prediction of laser beam welding-induced distortions and residual stresses by numerical simulation for aeronautic application. <i>Journal of Materials Processing Technology</i> , 2009, 209, 2907-2917.	3.1	91
9	Experimental investigation and finite element simulation of laser beam welding induced residual stresses and distortions in thin sheets of AA 6056-T4. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 3025-3039.	2.6	89
10	Elastic-Plastic Contact Between Rough Surfaces: Proposal for a Wear or Running-In Model. <i>Journal of Tribology</i> , 2006, 128, 236-244.	1.0	83
11	Elastic coupling between layers in two-dimensional materials. <i>Nature Materials</i> , 2015, 14, 714-720.	13.3	78
12	Contact analysis in presence of spherical inhomogeneities within a half-space. <i>International Journal of Solids and Structures</i> , 2010, 47, 3034-3049.	1.3	76
13	Detrimental Effects of Debris Dents on Rolling Contact Fatigue. <i>Journal of Tribology</i> , 2000, 122, 55-64.	1.0	75
14	Contact Analyses for Bodies With Frictional Heating and Plastic Behavior. <i>Journal of Tribology</i> , 2005, 127, 355-364.	1.0	71
15	Modeling of the Rolling and Sliding Contact Between Two Asperities. <i>Journal of Tribology</i> , 2007, 129, 235-245.	1.0	70
16	Modeling of Fretting Wear Under Gross Slip and Partial Slip Conditions. <i>Journal of Tribology</i> , 2007, 129, 528-535.	1.0	65
17	A Three-Dimensional Semianalytical Model for Elastic-Plastic Sliding Contacts. <i>Journal of Tribology</i> , 2007, 129, 761-771.	1.0	65
18	Nonlinear dynamic analysis of cylindrical roller bearing with flexible rings. <i>Journal of Sound and Vibration</i> , 2009, 325, 145-160.	2.1	64

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19	Simulation of the Cold Spray Particle Deposition Process. <i>Journal of Tribology</i> , 2015, 137, .	1.0	63
20	A Comprehensive Method to Predict Wear and to Define the Optimum Geometry of Fretting Surfaces. <i>Journal of Tribology</i> , 2006, 128, 476-485.	1.0	60
21	Multiscale computation of fretting wear at the blade/disk interface. <i>Tribology International</i> , 2010, 43, 708-718.	3.0	57
22	Some insights on the modelling of chip formation and its morphology during metal cutting operations. <i>Comptes Rendus - Mecanique</i> , 2016, 344, 335-354.	2.1	57
23	Rolling contact of a rigid sphere/sliding of a spherical indenter upon a viscoelastic half-space containing an ellipsoidal inhomogeneity. <i>Journal of the Mechanics and Physics of Solids</i> , 2015, 80, 1-25.	2.3	54
24	Ball Motion and Sliding Friction in a Four-Contact-Point Ball Bearing. <i>Journal of Tribology</i> , 2007, 129, 801-808.	1.0	52
25	Numerical simulation of grinding induced phase transformation and residual stresses in AISI-52100 steel. <i>Finite Elements in Analysis and Design</i> , 2012, 61, 1-11.	1.7	49
26	Finite element analysis of metallurgical phase transformations in AA 6056-T4 and their effects upon the residual stress and distortion states of a laser welded T-joint. <i>International Journal of Pressure Vessels and Piping</i> , 2011, 88, 45-56.	1.2	48
27	An Experimental Study on the Concentration and Shape of Dents Caused by Spherical Metallic Particles in EHL Contacts. <i>Tribology Transactions</i> , 1999, 42, 231-240.	1.1	46
28	FE-model for Titanium alloy (Ti-6Al-4V) cutting based on the identification of limiting shear stress at tool-chip interface. <i>International Journal of Material Forming</i> , 2011, 4, 11-23.	0.9	42
29	Contact analysis in the presence of an ellipsoidal inhomogeneity within a half space. <i>International Journal of Solids and Structures</i> , 2014, 51, 1390-1402.	1.3	41
30	Semi analytical fretting wear simulation including wear debris. <i>Tribology International</i> , 2017, 109, 1-9.	3.0	41
31	Contact Pressure and Residual Strain in 3D Elasto-Plastic Rolling Contact for a Circular or Elliptical Point Contact. <i>Journal of Tribology</i> , 2011, 133, .	1.0	40
32	Experimental and Theoretical Investigation on Rolling Contact Fatigue of 52100 and M50 Steels Under EHL or Micro-EHL Conditions. <i>Journal of Tribology</i> , 1998, 120, 184-190.	1.0	39
33	Cutting simulation capabilities based on crystal plasticity theory and discrete cohesive elements. <i>Journal of Materials Processing Technology</i> , 2012, 212, 936-953.	3.1	39
34	Contact analyses for anisotropic half-space coated with an anisotropic layer: Effect of the anisotropy on the pressure distribution and contact area. <i>International Journal of Solids and Structures</i> , 2013, 50, 743-754.	1.3	39
35	Analysis of High-Speed Intershaft Cylindrical Roller Bearing with Flexible Rings. <i>Tribology Transactions</i> , 2005, 48, 154-164.	1.1	38
36	Cyclic behaviour of a 6061 aluminium alloy: Coupling precipitation and elastoplastic modelling. <i>Acta Materialia</i> , 2015, 83, 256-268.	3.8	38

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37	Constitutive model for nickel alloy 690 (Inconel 690) at various strain rates and temperatures. <i>International Journal of Plasticity</i> , 2016, 80, 139-153.	4.1	37
38	Contact Fatigue Analysis of a Dented Surface in a Dry Elastic-Plastic Circular Point Contact. <i>Tribology Letters</i> , 2008, 29, 139-153.	1.2	36
39	An efficient method for analyzing the roller screw thread geometry. <i>Mechanism and Machine Theory</i> , 2018, 126, 243-264.	2.7	36
40	Modeling of the contact between a rigid indenter and a heterogeneous viscoelastic material. <i>Mechanics of Materials</i> , 2014, 77, 28-42.	1.7	33
41	Integrated modelling of a 6061-T6 weld joint: From microstructure to mechanical properties. <i>Acta Materialia</i> , 2016, 117, 81-90.	3.8	33
42	New Methodology to Evaluate the Rolling Contact Fatigue Performance of Bearing Steels With Surface Dents: Application to 32CrMoV13 (Nitrided) and M50 Steels. <i>Journal of Tribology</i> , 2005, 127, 611-622.	1.0	32
43	A methodology to predict the roughness of shot peened surfaces. <i>Journal of Materials Processing Technology</i> , 2015, 217, 65-76.	3.1	32
44	Early Fatigue Failure Due to Dents in EHL Contacts. <i>Tribology Transactions</i> , 1999, 42, 795-800.	1.1	31
45	A unified and simplified treatment of the non-linear equilibrium problem of double-row rolling bearings. Part 1: Rolling bearing model. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2003, 217, 205-212.	1.0	31
46	Stick-slip analysis of a circular point contact between a rigid sphere and a flat unidirectional composite with cylindrical fibers. <i>International Journal of Solids and Structures</i> , 2011, 48, 3510-3520.	1.3	31
47	Analysis of Double-Row Tapered Roller Bearings, Part I - Model. <i>Tribology Transactions</i> , 2003, 46, 228-239.	1.1	30
48	Rolling of an Elastic Ellipsoid Upon an Elastic-Plastic Flat. <i>Journal of Tribology</i> , 2007, 129, 791-800.	1.0	30
49	Comparative analysis of mechanical strength of diamond-sawn silicon wafers depending on saw mark orientation, crystalline nature and thickness. <i>Solar Energy Materials and Solar Cells</i> , 2019, 201, 110068.	3.0	30
50	On the Effect of Isotropic Hardening on the Coefficient of Restitution for Single or Repeated Impacts Using a Semi-Analytical Method. <i>Tribology Transactions</i> , 2011, 54, 714-722.	1.1	29
51	Power Loss of Gearbox Ball Bearing Under Axial and Radial Loads. <i>Tribology Transactions</i> , 1994, 37, 83-90.	1.1	28
52	Residual stresses induced by electron beam welding in a 6061 aluminium alloy. <i>Journal of Materials Processing Technology</i> , 2016, 235, 1-12.	3.1	28
53	A multiphase computational study of oil distribution inside roller bearings with under-race lubrication. <i>Tribology International</i> , 2019, 140, 105862.	3.0	27
54	A unified and simplified treatment of the non-linear equilibrium problem of double-row rolling bearings. Part 2: Application to taper rolling bearings supporting a flexible shaft. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2003, 217, 213-221.	1.0	26

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55	Three-dimensional rolling/sliding contact on a viscoelastic layered half-space. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 143, 104067.	2.3	26
56	Running Torque of Slow Speed Two-Point and Four-Point Contact Bearings. <i>Lubricants</i> , 2015, 3, 181-196.	1.2	25
57	Analysis of Double-Row Tapered Roller Bearings, Part II – Results: Prediction of Fatigue Life and Heat Dissipation. <i>Tribology Transactions</i> , 2003, 46, 240-247.	1.1	24
58	Fully Coupled Resolution of Heterogeneous Elastic-Plastic Contact Problem. <i>Journal of Tribology</i> , 2016, 138, .	1.0	24
59	On the influence of residual stresses in determining the micro-yield stress profile in a nitrided steel by nano-indentation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 342, 311-319.	2.6	23
60	Four-Point Contact Ball Bearing Model With Deformable Rings. <i>Journal of Tribology</i> , 2013, 135, .	1.0	23
61	Stiffness and fracture analysis of photovoltaic grade silicon plates. <i>International Journal of Solids and Structures</i> , 2016, 97-98, 355-369.	1.3	23
62	Prediction of Roller Skewing in Tapered Roller Bearings. <i>Tribology Transactions</i> , 2008, 51, 128-139.	1.1	22
63	Modeling of cavitation peening: Jet, bubble growth and collapse, micro-jet and residual stresses. <i>Journal of Materials Processing Technology</i> , 2018, 262, 479-491.	3.1	22
64	Influence of fretting wear on bladed disks dynamic analysis. <i>Tribology International</i> , 2020, 145, 106148.	3.0	22
65	Numerical investigations on drag coefficient of circular cylinder with two free ends in roller bearings. <i>Tribology International</i> , 2018, 123, 43-49.	3.0	21
66	Numerical investigation of flow around one finite circular cylinder with two free ends. <i>Ocean Engineering</i> , 2018, 156, 373-380.	1.9	21
67	Analytical prediction of the geometry of contact ellipses and kinematics in a roller screw versus experimental results. <i>Mechanism and Machine Theory</i> , 2019, 131, 115-136.	2.7	21
68	On the Tangential Displacement of a Surface Point Due to a Cuboid of Uniform Plastic Strain in a Half-Space. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2010, 77, .	1.1	20
69	Crack initiation behavior in single crystalline silicon. <i>Scripta Materialia</i> , 2017, 130, 83-86.	2.6	19
70	A novel approach to investigate delta phase precipitation in cold-rolled 718 alloys. <i>Acta Materialia</i> , 2018, 156, 31-42.	3.8	19
71	Traction Behavior of Some Lubricants Used for Rolling Bearings in Spacecraft Applications: Experiments and Thermal Model Based on Primary Laboratory Data. <i>Journal of Tribology</i> , 2002, 124, 72-81.	1.0	18
72	Velocity correlated crack front and surface marks in single crystalline silicon. <i>Nature Communications</i> , 2018, 9, 1298.	5.8	18

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73	Influence of the nature and size of solid particles on the indentation features in EHL contacts. Tribology Series, 1998, , 399-409.	0.1	17
74	Contact Analyses for Anisotropic Half Space: Effect of the Anisotropy on the Pressure Distribution and Contact Area. Journal of Tribology, 2012, 134, .	1.0	17
75	Thermo-mechanical analysis of laser beam welding of thin plate with complex boundary conditions. International Journal of Material Forming, 2008, 1, 1063-1066.	0.9	16
76	High temperature fretting wear prediction of exhaust valve material. Tribology International, 2016, 100, 280-286.	3.0	16
77	Analysis of Ball Bearings with 2, 3 or 4 Contact Points. Tribology Transactions, 2008, 51, 372-380.	1.1	15
78	Thermo-mechanical characterisation of AA 6056-T4 and estimation of its material properties using Genetic Algorithm. Materials & Design, 2010, 31, 4302-4311.	5.1	15
79	Effect of coherent and incoherent precipitates upon the stress and strain fields of 6xxx aluminium alloys: a numerical analysis. International Journal of Mechanics and Materials in Design, 2016, 12, 255-271.	1.7	15
80	Model formulation of churning losses in cylindrical roller bearings based on numerical simulation. Tribology International, 2018, 121, 420-434.	3.0	15
81	Towards fast modelling of the tire-pavement contact. European Journal of Environmental and Civil Engineering, 2021, 25, 2396-2412.	1.0	14
82	Validation and application of a numerical approach for the estimation of drag and churning losses in high speed roller bearings. Applied Thermal Engineering, 2019, 153, 390-397.	3.0	14
83	On the fracture of multi-crystalline silicon wafer. Journal Physics D: Applied Physics, 2016, 49, 475601.	1.3	13
84	Mechanical behaviour at high temperature as induced during welding of a 6xxx series aluminium alloy. International Journal of Pressure Vessels and Piping, 2017, 149, 55-65.	1.2	13
85	Theoretical Analysis of High-Speed Cylindrical Roller Bearing with Flexible Rings Mounted in a Squeeze Film Damper. Tribology Transactions, 2008, 51, 762-770.	1.1	12
86	Self-emitted surface corrugations in dynamic fracture of silicon single crystal. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16872-16879.	3.3	12
87	Power Loss Prediction in High-Speed Roller Bearings. Tribology Series, 1994, , 465-478.	0.1	11
88	Microstructural and mechanical properties evolutions of plasma transferred arc deposited Norem02 hardfacing alloy at high temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 5096-5105.	2.6	11
89	Precipitation of $\text{Si}_3\text{N}_4$ in Inconel 718 alloy from microstructure to mechanical properties. Materialia, 2021, 20, 101187.		
90	On the two-disc machine: A polyvalent and powerful tool to study fundamental and industrial problems related to elastohydrodynamic lubrication. Tribology Series, 2001, 39, 393-402.	0.1	9

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91	Hertzian contact damage in silicon nitride ceramics with different porosity contents. Journal of the European Ceramic Society, 2015, 35, 2269-2276.	2.8	9
92	3D modelling of tyre-pavement contact pressure. European Journal of Environmental and Civil Engineering, 2017, 21, 712-729.	1.0	9
93	Crack plane deflection and shear wave effects in the dynamic fracture of silicon single crystal. Journal of the Mechanics and Physics of Solids, 2019, 122, 472-488.	2.3	9
94	Effect of the tire " Pavement contact at the surface layer when the tire is tilted in bend. Construction and Building Materials, 2021, 305, 124765.	3.2	9
95	A New Physically Based Model for Predicting the Fatigue Life Distribution of Rolling Bearings. , 2002, , 197-212.		9
96	A Simplified Model to Study EHL Film Collapse During Rapid Halting Motion. Tribology Transactions, 2002, 45, 512-520.	1.1	8
97	Indentation strength of silicon nitride ceramics processed by spark plasma sintering technique. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 644, 159-170.	2.6	8
98	Experimental Study of Four-Point Contact Ball Bearing with Deformable Rings. Tribology Transactions, 2015, 58, 963-970.	1.1	8
99	A coupled damage model and a semi-analytical contact solver to simulate butterfly wing formation around nonmetallic inclusions. International Journal of Fatigue, 2019, 127, 445-460.	2.8	8
100	A damage model for fretting contact between a sphere and a half space using semi-analytical method. International Journal of Solids and Structures, 2019, 164, 66-83.	1.3	8
101	Impact-sliding wear response of 2.25Cr1Mo steel tubes: Experimental and semi-analytical method. Friction, 2022, 10, 473-490.	3.4	8
102	Polyethylene as an Additive for Mineral Oils"Part I: Influence of the Polymer Concentration on the Film"Forming Properties in Rolling Bearing. Tribology Transactions, 1999, 42, 851-859.	1.1	7
103	Disturbance and recovery in high speed (110) cleavage in single crystalline silicon. Journal of the European Ceramic Society, 2018, 38, 1038-1045.	2.8	7
104	Weibull strength size effect of diamond wire sawn photovoltaic silicon wafers. Journal of the European Ceramic Society, 2020, 40, 5357-5368.	2.8	7
105	Tire"pavement tractive rolling contact under turning conditions: towards pavement top-down cracking. International Journal of Pavement Engineering, 2022, 23, 841-850.	2.2	7
106	Modeling of ultra-high-speed impact at the surface of an elastic half-space. Wave Motion, 2015, 58, 77-100.	1.0	6
107	High strain rate behavior of MC2 single crystal under uniaxial compression load at high temperature: Experiments and modeling. Mechanics of Materials, 2017, 104, 145-156.	1.7	6
108	Comparison of Fatigue Performances of 32CrMoV13 and M50 Steels in Presence of Surface Indents. , 0, , 187-187-11.		6

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109	A novel SAM/X-FEM coupling approach for the simulation of 3D fatigue crack growth under rolling contact loading. <i>Finite Elements in Analysis and Design</i> , 2022, 206, 103752.	1.7	6
110	Optimum initial axial compression due to preload in an arrangement of two tapered roller bearings Part 2: Application to the transfer shaft of an automobile automatic transaxle. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2000, 214, 135-146.	1.0	5
111	Polyethylene as an Additive for Mineral Oils " Part II: EHL Traction Behavior. <i>Tribology Transactions</i> , 2002, 45, 145-152.	1.1	5
112	Approach of Pavement Surface Layer Degradation Caused by Tire Contact Using Semi-Analytical Model. <i>Materials</i> , 2021, 14, 2117.	1.3	5
113	Influence of the Sliding Speed on the Elastohydrodynamically Lubricated Film Thickness Shape of Wavy Contacts. <i>Tribology Series</i> , 1996, 31, 515-526.	0.1	4
114	Prediction of grinding residual stresses. <i>International Journal of Material Forming</i> , 2008, 1, 1115-1118.	0.9	4
115	Sub-grain induced crack deviation in multi-crystalline silicon. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	4
116	Accelerated Fretting Wear Tests for Contacts Exposed to Atmosphere. <i>Tribology Letters</i> , 2017, 65, 1.	1.2	4
117	Numerical simulation of electromagnetic surface treatment. <i>Journal of Applied Physics</i> , 2018, 123, 045901.	1.1	4
118	A method to model crystalline anisotropy in contact using semi-analytical method. <i>Tribology International</i> , 2020, 152, 106429.	3.0	4
119	ON DIFFERENT FE-BASED MODELS TO SIMULATE CUTTING OPERATION OF TITANIUM ALLOY (Ti-6Al-4V). <i>Mechanika</i> , 2013, 19, .	0.3	4
120	Location of an acoustic emission source in a radially loaded deep groove ball-bearing. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 1998, 212, 33-45.	1.0	3
121	The tribological behaviour of mineral oils additivated with polyethylene. <i>Lubrication Science</i> , 1999, 11, 247-270.	0.9	3
122	Optimum initial axial compression due to preload in an arrangement of two tapered roller bearings Part 1: Analysis. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2000, 214, 125-133.	1.0	3
123	Numerical and experimental investigations on rolling contact fatigue for dented surfaces. <i>Tribology Series</i> , 2001, , 459-467.	0.1	3
124	Experimental evaluation and numerical simulation of mil-L-23699 traction curves. <i>Tribology Series</i> , 2003, 43, 795-806.	0.1	3
125	Forming residual stresses effects on the electron beam welding distortions of thick components. <i>International Journal of Material Forming</i> , 2008, 1, 367-370.	0.9	3
126	Fracture phenomena induced by Front-End/Back-End interactions: Dedicated failure analysis and numerical developments. <i>Microelectronics Reliability</i> , 2010, 50, 75-85.	0.9	3



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127	Shear Banding in a Contact Problem between Metallic Glasses. <i>Metals</i> , 2021, 11, 257.	1.0	3
128	Modélisation d'un contact frottant pour matériaux composites. <i>Materiaux Et Techniques</i> , 2013, 101, 205.	0.3	3
129	Paper III (x) Deformation of a Particular Metallic Contaminant and Role on Surface Damage in High Speed Ball Bearings. <i>Tribology Series</i> , 1992, 21, 145-151.	0.1	2
130	Thin films interfacial adhesion characterization by Cross-Sectional Nanoindentation: Application to pad structures. , 2009, , .		2
131	Elasto-Plastic Layers of Non-Uniform Thickness in Contact Mechanics. , 2010, , .		2
132	Optimal component mode synthesis for medium frequency problem. <i>International Journal for Numerical Methods in Engineering</i> , 2011, 86, 301-315.	1.5	2
133	Numerical Simulation of the Cold Spray Deposition Process for Aluminium and Copper. , 2012, , .		2
134	Alternative calculation on transient elasto-hydrodynamic lubrication. <i>Industrial Lubrication and Tribology</i> , 2018, 70, 423-431.	0.6	2
135	The effect of an electromagnetic peening process on metal properties. , 2018, , .		2
136	Comportement rhéologique et tribologique de lubrifiants avec additif polymère. <i>Materiaux Et Techniques</i> , 2001, 89, 21-28.	0.3	2
137	A numerical model to predict residual stresses induced by ultrasonic shot peening treatment of Inconel 600. , 2011, , .		2
138	Rolling contact on a viscoelastic multi-layered half-space. <i>International Journal of Solids and Structures</i> , 2022, 239-240, 111388.	1.3	2
139	Ball Motion and Sliding Friction in an Arched Ball Bearing. , 2007, , 391.		1
140	Influence of Forming Residual Stresses on the Welding Distortions of Two Thick Plates. <i>Advanced Materials Research</i> , 0, 83-86, 125-132.	0.3	1
141	Fretting Wear of Coated Surfaces Under Gross Slip Conditions. , 2014, , .		1
142	A Coupled Euler-Lagrange Model for More Realistic Simulation of Debris Denting in Rolling Element Bearings. <i>Tribology Transactions</i> , 2019, 62, 760-778.	1.1	1
143	Analysis of Counter-Rotating Roller Bearing in Different Mounting Configurations. <i>Journal of Engineering for Gas Turbines and Power</i> , 2019, 141, .	0.5	1
144	Comparison of Fatigue Performances of 32CrMoV13 and M50 Steels in Presence of Surface Indents. <i>Journal of ASTM International</i> , 2006, 3, 14051.	0.2	1

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145	Behavior of Nitrided 32CrMoV13 Steel Subjected to Dent Initiated Rolling Contact Fatigue. , 2003, , .		0
146	Rolling contact fatigue of nitrided 32CrMoV13 steel. Tribology Series, 2003, 41, 299-308.	0.1	0
147	Analysis of High-Speed Cylindrical Roller Bearing With Flexible Rings Mounted in a Squeeze Film Damper. , 2007, , 387.		0
148	Thermal-Elastic-Plastic Contact Analysis for Rough Bodies With a Semi-Analytical Method. , 2007, , 521.		0
149	Rolling of an Elastic Ellipsoid Upon an Elastic-Plastic Flat. , 2007, , .		0
150	A study of the effects of friction coefficient on chip formation based on hard turning thermo-mechanical model. , 2008, , .		0
151	A Semi-Analytical Plastic-Damage Model for Nanoindentation Contact Mechanics. , 2009, , .		0
152	Package induced low-k delaminations: Numerical developments and experimental investigations to address FE/BE compatibility fracture phenomena.. , 2009, , .		0
153	Finite Element Simulation of Laser Beam Welding Induced Residual Stresses and Distortions in a T-Joint Configuration for Aeronautic Structures. , 2009, , .		0
154	Prediction of Engine Mounting Loads in Transient Dynamic Response Under Blade Shedding Unbalance. , 2009, , .		0
155	Multi-Impact Simulation: Effect of the Covering Rate on the Mean Plastic Strain Profiles. , 2010, , .		0
156	On Methodologies inside Two Different Commercial Codes to Simulate the Cutting Operation. Advanced Materials Research, 2011, 223, 162-171.	0.3	0
157	Normal and Tangential Contact Between Anisotropic Materials. , 2011, , .		0
158	Normal and Tangential Contact Between Anisotropic Materials With an Anisotropic Coating. , 2012, , .		0
159	Evolution of Mechanical Behavior of 6XXX Aluminium Alloy due to the Precipitation State During a Thermo-Mechanical Process. , 2013, , .		0
160	Modelling Impacts Induced by Shoot Peening Techniques for the Assessment of Surface Integrity. , 2013, , .		0
161	Prediction of the Rolling Contact Fatigue Behavior of Pre-Indented Hybrid Bearings. , 2014, , .		0
162	Characterization and Modelling of Tensile Flow Behavior of Ni Base Alloy 690 at Various Temperatures and Strain Rates. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
163	A Semi-Analytical Plastic-Damage Model Using the Equivalent Inclusion Problem. , 2009, , .		0
164	Effects of the Presence of Multiple Spherical Inclusions Within an Elastic Half-Space in a Circular Point Contact. , 2010, , .		0
165	Stick-Slip Analysis of a Point Contact When a Body Contains Cylindrical Heterogeneities. , 2011, , .		0
166	Contact Analyses for Anisotropic Half Space With an Anisotropic Coating. , 2012, , .		0
167	Influence of Ball Bearing Stiffness on Squeeze Film Behavior Including Fluid Flow Turbulence and Inertia Effects. , 1992, , 414-421.		0
168	A Procedure for Wheel and Rail Steels Characterization in Rolling Contact. , 0, , .		0
169	A Fast Analytical Technique for Transient Elasto-Hydrodynamic Lubrication based on Acquisition of Contact Stiffness and Damping Distributions. , 0, , .		0