

Michael Khonsari

List of Publications by Year in descending order

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397
papers

12,020
citations

30070

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435
all docs

435
docs citations

435
times ranked

4272
citing authors

#	ARTICLE	IF	CITATIONS
1	Entropic Characterization of Fatigue in Composite Materials. , 2022, , 147-162.		6
2	Tensile Properties of Additively Manufactured C-18150 Copper Alloys. Metals and Materials International, 2022, 28, 168-180.	3.4	11
3	On the kinetic formulation of fracture fatigue entropy of metals. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 565-577.	3.4	11
4	Fatigue assessment of additively-manufactured C-18150 copper alloy at room and elevated temperatures via a microstructure-sensitive algorithm. International Journal of Fatigue, 2022, 159, 106777.	5.7	8
5	Strain energy-based fatigue failure analyses of LB-PBF Inconel 718: Effect of build orientation. Additive Manufacturing, 2022, 52, 102661.	3.0	4
6	Thermodynamic Characterization of Grease Oxidationâ€“Thermal Stability via Pressure Differential Scanning Calorimetry. Tribology Transactions, 2022, 65, 542-554.	2.0	5
7	Investigation of metal fatigue using a coupled entropy-kinetic model. International Journal of Fatigue, 2022, 161, 106907.	5.7	10
8	Relationship between subsurface stress and wear particle size in sliding contacts during running-in. Mechanics Research Communications, 2022, 123, 103891.	1.8	2
9	Experimentally verified prediction of friction coefficient and wear rate during running-in dry contact. Tribology International, 2022, 170, 107508.	5.9	22
10	Evaluation of fatigue in unidirectional and cross-ply laminated composites using a coupled entropy-kinetic concept. Journal of Composite Materials, 2022, 56, 2443-2454.	2.4	5
11	On the thermohydrodynamic performance of aerated lubricants in steadily- and dynamically-loaded journal bearings. Tribology International, 2022, 173, 107606.	5.9	10
12	Fatigue analysis of high-carbon steel at different environmental temperatures considering the blue brittleness effect. International Journal of Mechanical Sciences, 2022, 230, 107546.	6.7	4
13	Applying load-sharing method to the sliding contact in the presence of nano-lubricants. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2021, 235, 786-797.	1.8	5
14	In-situ Technique for Fatigue Life Prediction of Metals Based on Temperature Evolution. International Journal of Mechanical Sciences, 2021, 192, 106113.	6.7	19
15	Friction behavior of Radial Shaft Sealing Ring subjected to unsteady motion. Mechanism and Machine Theory, 2021, 156, 104171.	4.5	0
16	Microstructure-sensitive estimation of fatigue life using cyclic thermodynamic entropy as an index for metals. Theoretical and Applied Fracture Mechanics, 2021, 112, 102854.	4.7	18
17	Directional interfacial motion of liquids: Fundamentals, evaluations, and manipulation strategies. Tribology International, 2021, 154, 106749.	5.9	31
18	On the determination of cyclic plastic strain energy with the provision for microplasticity. International Journal of Fatigue, 2021, 142, 105966.	5.7	14

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19	Evaluating Grease Degradation through Contact Angle Approach. <i>Lubricants</i> , 2021, 9, 11.	2.9	2
20	Experimental and numerical study of the running-in wear coefficient during dry sliding contact. <i>Surface Topography: Metrology and Properties</i> , 2021, 9, 015009.	1.6	13
21	Testing Grease Consistency. <i>Lubricants</i> , 2021, 9, 14.	2.9	8
22	On the effect of internal friction on torsional and axial cyclic loading. <i>International Journal of Fatigue</i> , 2021, 145, 106113.	5.7	19
23	On the intrinsic dissipation and fracture fatigue entropy of metals. <i>Mechanics of Materials</i> , 2021, 155, 103734.	3.2	22
24	A theoretical calculation of stacking fault energy of Ni alloys: The effects of temperature and composition. <i>Computational Materials Science</i> , 2021, 191, 110326.	3.0	25
25	Rapid prediction of fatigue life based on thermodynamic entropy generation. <i>International Journal of Fatigue</i> , 2021, 145, 106105.	5.7	24
26	General quantification of fatigue damage with provision for microstructure: A review. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 1973-1999.	3.4	15
27	On the prediction of fatigue life subjected to variable loading sequence. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 2962-2974.	3.4	14
28	On the running-in nature of metallic tribo-components: A review. <i>Wear</i> , 2021, 474-475, 203871.	3.1	29
29	An approach for fatigue life prediction based on external heating. <i>International Journal of Mechanical Sciences</i> , 2021, 204, 106510.	6.7	9
30	On the application of fracture fatigue entropy to multiaxial loading. <i>International Journal of Fatigue</i> , 2021, 150, 106321.	5.7	16
31	Experimentally validated thermodynamic theory of metal fatigue. <i>Mechanics of Materials</i> , 2021, 160, 103927.	3.2	10
32	A new model for fatigue life prediction under multiaxial loadings based on energy dissipation. <i>International Journal of Fatigue</i> , 2021, 151, 106255.	5.7	14
33	CFD investigation of oil-free granular lubrication. <i>Tribology International</i> , 2021, 164, 107238.	5.9	3
34	Application of thermoelectricity in fatigue of metals. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 1162-1177.	3.4	4
35	A Unified Treatment of Tribo-Components Degradation Using Thermodynamics Framework: A Review on Adhesive Wear. <i>Entropy</i> , 2021, 23, 1329.	2.2	4
36	Application of Continuum Damage Mechanics to Predict Wear in Systems Subjected to Variable Loading. <i>Tribology Letters</i> , 2021, 69, 1.	2.6	7

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37	Some Fundamental Issues in Foil Bearings. Lecture Notes in Mechanical Engineering, 2021, , 317-325.	0.4	1
38	Online monitoring of metal fatigue life. Structural Health Monitoring, 2020, 19, 938-952.	7.5	4
39	Nondestructive estimation of remaining fatigue life without the loading history. International Journal of Damage Mechanics, 2020, 29, 482-502.	4.2	11
40	On the wear of dynamically-loaded engine bearings with provision for misalignment and surface roughness. Tribology International, 2020, 141, 105919.	5.9	34
41	Wetting translucency of graphene on plasmonic nanohole arrays. 2D Materials, 2020, 7, 011004.	4.4	2
42	Thermographic evaluation of metal crack propagation during cyclic loading. Theoretical and Applied Fracture Mechanics, 2020, 105, 102385.	4.7	11
43	Effect of alloying elements on the γ/α' antiphase boundary energy in Ni-base superalloys. Intermetallics, 2020, 117, 106670.	3.9	49
44	On the entropy of fatigue crack propagation. International Journal of Fatigue, 2020, 133, 105413.	5.7	30
45	The Relation Between Subsurface Stresses and Useful Wear Life in Sliding Contacts. Tribology Letters, 2020, 68, 1.	2.6	7
46	Assessment of Water Contamination on Grease Using the Contact Angle Approach. Tribology Letters, 2020, 68, 1.	2.6	4
47	Characterization of multiple wear mechanisms through entropy. Tribology International, 2020, 152, 106548.	5.9	17
48	An Overview of Grease Water Resistance. Lubricants, 2020, 8, 86.	2.9	7
49	On the Recovery and Fatigue Life Extension of Stainless Steel 316 Metals by Means of Recovery Heat Treatment. Metals, 2020, 10, 1290.	2.3	0
50	On the failure mechanisms of Cr-coated 316 stainless steel in bending fatigue tests. International Journal of Fatigue, 2020, 139, 105733.	5.7	6
51	A simple approach for predicting fatigue crack propagation rate based on thermography. Theoretical and Applied Fracture Mechanics, 2020, 107, 102534.	4.7	15
52	Temperature-induced buckling of ductile metals during cyclic loading and the subsequent early fracture. International Journal of Mechanical Sciences, 2020, 176, 105525.	6.7	19
53	Characterization of abrasive wear using degradation coefficient. Wear, 2020, 450-451, 203220.	3.1	6
54	Theoretical and experimental analysis of relation between entropy and tension-compression fatigue of aluminum 6061-T6. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	2

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55	The thermocapillary migration on rough surfaces. <i>Lubrication Science</i> , 2019, 31, 163-170.	2.1	11
56	On the assessment of variable loading in adhesive wear. <i>Tribology International</i> , 2019, 129, 167-176.	5.9	13
57	Overview: Additive Manufacturing Enabled Accelerated Design of Ni-based Alloys for Improved Fatigue Life. <i>Additive Manufacturing</i> , 2019, 29, 100779.	3.0	22
58	Application of thermodynamic principles in determining the degradation of tribo-components subjected to oscillating motion in boundary and mixed lubrication regimes. <i>Wear</i> , 2019, 436-437, 203002.	3.1	10
59	The Use of Entropy in Modeling the Mechanical Degradation of Grease. <i>Lubricants</i> , 2019, 7, 82.	2.9	15
60	On the Assessment of Mechanical Degradation of Grease Using Entropy Generation Rate. <i>Tribology Letters</i> , 2019, 67, 1.	2.6	15
61	On the removal of extrusions and intrusions via repolishing to improve metal fatigue life. <i>Theoretical and Applied Fracture Mechanics</i> , 2019, 103, 102248.	4.7	7
62	Experimental investigation of the chemical degradation of lubricating grease from an energy point of view. <i>Tribology International</i> , 2019, 137, 289-302.	5.9	16
63	Critical operating stress of persistent slip bands in Cu. <i>Computational Materials Science</i> , 2019, 165, 114-120.	3.0	12
64	Improvement of Tribological and Biocompatibility Properties of Orthopedic Materials Using Piezoelectric Direct Discharge Plasma Surface Modification. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 2147-2159.	5.2	15
65	Experimental verification of textured mechanical seal designed using multi-objective optimization. <i>Industrial Lubrication and Tribology</i> , 2019, 71, 766-771.	1.3	10
66	The evolution of foil bearing technology. <i>Tribology International</i> , 2019, 135, 305-323.	5.9	93
67	Wear anisotropy of selective laser melted 316L stainless steel. <i>Wear</i> , 2019, 428-429, 376-386.	3.1	103
68	On the degradation of tribo-components undergoing oscillating sliding contact. <i>Tribology International</i> , 2019, 135, 18-28.	5.9	14
69	On the Degradation of Tribo-components in Boundary and Mixed Lubrication Regimes. <i>Tribology Letters</i> , 2019, 67, 1.	2.6	22
70	On the onset of steady state during transient adhesive wear. <i>Tribology International</i> , 2019, 130, 378-386.	5.9	14
71	Non-destructive testing and fatigue life prediction at different environmental temperatures. <i>Infrared Physics and Technology</i> , 2019, 96, 291-297.	2.9	18
72	Performance and characterization of dynamically-loaded engine bearings with provision for misalignment. <i>Tribology International</i> , 2019, 130, 387-399.	5.9	26

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73	Theoretical and experimental study on interdependence of wear and wetting in metallic surfaces. Tribology International, 2018, 123, 61-70.	5.9	3
74	Dynamics Analysis of Torsional Vibration Induced by Clutch and Gear Set in Automatic Transmission. International Journal of Automotive Technology, 2018, 19, 473-488.	1.4	25
75	Viscosity wedge effect of dimpled surfaces considering cavitation effect. Tribology International, 2018, 122, 58-66.	5.9	23
76	The limiting load-carrying capacity of foil thrust bearings. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2018, 232, 1046-1052.	1.8	5
77	On the thermoelastic instability of foil bearings. Tribology International, 2018, 121, 10-20.	5.9	23
78	Heat-transfer augmentation techniques to improve seal life. Sealing Technology, 2018, 2018, 5-9.	0.0	1
79	Ringlike Migration of a Droplet Propelled by an Omnidirectional Thermal Gradient. Langmuir, 2018, 34, 3806-3812.	3.5	21
80	Damage accumulation and crack initiation detection based on the evolution of surface roughness parameters. International Journal of Fatigue, 2018, 107, 130-144.	5.7	44
81	An investigation into the transient behavior of journal bearing with surface texture based on fluid-structure interaction approach. Tribology International, 2018, 118, 246-255.	5.9	75
82	On the running-in behavior of cam-follower mechanism. Tribology International, 2018, 118, 301-313.	5.9	27
83	A method for correcting a moving heat source in analyses with coarse temporal discretization. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 2736-2750.	2.1	1
84	Neutron interferometry detection of early crack formation caused by bending fatigue in additively manufactured SS316 dogbones. Materials and Design, 2018, 140, 420-430.	7.0	21
85	On the application of fracture fatigue entropy to variable frequency and loading amplitude. Theoretical and Applied Fracture Mechanics, 2018, 98, 30-37.	4.7	29
86	On the useful life of tribo-pairs experiencing variable loading and sliding speed. Wear, 2018, 416-417, 103-114.	3.1	12
87	Evaluation of fatigue performance of additively manufactured SS316 via internal damping. Manufacturing Letters, 2018, 18, 12-15.	2.2	5
88	On the integrated degradation coefficient for adhesive wear: A thermodynamic approach. Wear, 2018, 408-409, 138-150.	3.1	32
89	Material characterization and lubricating behaviors of porous stainless steel fabricated by selective laser melting. Journal of Materials Processing Technology, 2018, 262, 41-52.	6.3	26
90	On the evaluation of fracture fatigue entropy. Theoretical and Applied Fracture Mechanics, 2018, 96, 351-361.	4.7	56

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91	Frequency dependent deformation reversibility during cyclic loading. <i>Materials Research Letters</i> , 2018, 6, 390-397.	8.7	17
92	Effect of Untampered Plasma Coating and Surface Texturing on Friction and Running-in Behavior of Piston Rings. <i>Coatings</i> , 2018, 8, 110.	2.6	29
93	Inter-book normal fault-related shear heating in brittle bookshelf faults. <i>Marine and Petroleum Geology</i> , 2018, 97, 45-48.	3.3	24
94	On the Modeling of Adhesive Wear with Consideration of Loading Sequence. <i>Tribology Letters</i> , 2018, 66, 1.	2.6	28
95	On the role of internal friction in low-and high-cycle fatigue. <i>International Journal of Fatigue</i> , 2018, 114, 159-166.	5.7	54
96	Mixed lubrication of soft contacts: An engineering look. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2017, 231, 263-273.	1.8	8
97	On the migration of a droplet on an incline. <i>Journal of Colloid and Interface Science</i> , 2017, 494, 8-14.	9.4	13
98	Mechanical degradation of lubricating grease in an EHL line contact. <i>Tribology International</i> , 2017, 109, 541-551.	5.9	13
99	Parametric analysis of wear factors of a wet clutch friction material with different groove patterns. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2017, 231, 1056-1067.	1.8	13
100	Statistical Analysis of Surface Texture Performance With Provisions With Uncertainty in Texture Dimensions. <i>IEEE Access</i> , 2017, 5, 5388-5398.	4.2	9
101	On the effect of viscosity wedge in micro-textured parallel surfaces. <i>Tribology International</i> , 2017, 107, 116-124.	5.9	20
102	Brittle rotational faults and the associated shear heating. <i>Marine and Petroleum Geology</i> , 2017, 88, 551-554.	3.3	29
103	On the Performance of EHL Contacts with Textured Surfaces. <i>Tribology Letters</i> , 2017, 65, 1.	2.6	19
104	On the degradation of superhydrophobic surfaces: A review. <i>Wear</i> , 2017, 372-373, 145-157.	3.1	61
105	Statistical Analysis of the Influence of Imperfect Texture Shape and Dimensional Uncertainty on Surface Texture Performance. <i>IEEE Access</i> , 2017, 5, 27023-27035.	4.2	6
106	Acoustic Entropy of the Materials in the Course of Degradation. <i>Entropy</i> , 2016, 18, 280.	2.2	23
107	On Monitoring Physical and Chemical Degradation and Life Estimation Models for Lubricating Greases. <i>Lubricants</i> , 2016, 4, 34.	2.9	26
108	Application of a Thermodynamically Based Wear Estimation Methodology. <i>Journal of Tribology</i> , 2016, 138, .	1.9	16

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109	Texture Shape Optimization for Seal-Like Parallel Surfaces: Theory and Experiment. Tribology Transactions, 2016, 59, 698-706.	2.0	52
110	Fatigue analysis of metals using damping parameter. International Journal of Fatigue, 2016, 91, 124-135.	5.7	18
111	Wear simulation for the journal bearings operating under aligned shaft and steady load during start-up and coast-down conditions. Tribology International, 2016, 97, 440-466.	5.9	63
112	Tribological Performance of Polyamide-Imide Seal Ring Under Seawater Lubrication. Tribology Letters, 2016, 62, 1.	2.6	18
113	The effect of laser machined pockets on the lubrication of piston ring prototypes. Tribology International, 2016, 101, 273-283.	5.9	48
114	Tribological and Sealing Performance of Laser Pocketed Piston Rings in a Diesel Engine. Tribology Letters, 2016, 64, 1.	2.6	36
115	Model validation and uncertainty analysis in the wear prediction of a wet clutch. Wear, 2016, 364-365, 112-121.	3.1	17
116	An engineering model to estimate consistency reduction of lubricating grease subjected to mechanical degradation under shear. Tribology International, 2016, 103, 465-474.	5.9	23
117	On the Applicability of Miner's Rule to Adhesive Wear. Tribology Letters, 2016, 63, 1.	2.6	25
118	Thermocapillary Migration of Liquid Droplets Induced by a Unidirectional Thermal Gradient. Langmuir, 2016, 32, 7485-7492.	3.5	57
119	On the Prediction of Transient Wear. Journal of Tribology, 2016, 138, .	1.9	20
120	On the Relationship Between Journal Misalignment and Web Deflection in Crankshafts. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	1.1	8
121	On the thermally-induced failure of rolling element bearings. Tribology International, 2016, 94, 661-674.	5.9	31
122	Analysis and life prediction of a composite laminate under cyclic loading. Composites Part B: Engineering, 2016, 84, 98-108.	12.0	18
123	Experimental Investigation on the Effect of Operating Conditions on the Running-in Behavior of Lubricated Elliptical Contacts. Tribology Letters, 2015, 59, 1.	2.6	20
124	Reply to Comment by Chung on "On the Correlation Between Mechanical Degradation of Lubricating Grease and Entropy". Tribology Letters, 2015, 60, 1.	2.6	4
125	A study on the effect of starvation in mixed elastohydrodynamic lubrication. Tribology International, 2015, 85, 26-36.	5.9	26
126	Improving Bearings Thermal and Tribological Performance with Built-In Heat Pipe. Tribology Letters, 2015, 57, 1.	2.6	2

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127	Validation simulations for the variational approach to fracture. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015, 290, 420-437.	6.6	142
128	On the dynamic performance of roller bearings operating under low rotational speeds with consideration of surface roughness. <i>Tribology International</i> , 2015, 86, 62-71.	5.9	37
129	On the anelasticity and fatigue fracture entropy in high-cycle metal fatigue. <i>Materials and Design</i> , 2015, 82, 18-27.	7.0	52
130	An engineering approach for rapid evaluation of traction coefficient and wear in mixed EHL. <i>Tribology International</i> , 2015, 92, 184-190.	5.9	60
131	On the thermally-induced seizure in bearings: A review. <i>Tribology International</i> , 2015, 91, 118-130.	5.9	51
132	On the wear prediction of the paper-based friction material in a wet clutch. <i>Wear</i> , 2015, 334-335, 56-66.	3.1	34
133	On the Characteristics of Misaligned Journal Bearings. <i>Lubricants</i> , 2015, 3, 27-53.	2.9	66
134	Energy dissipation in the course of the fatigue degradation: Mathematical derivation and experimental quantification. <i>International Journal of Solids and Structures</i> , 2015, 77, 74-85.	2.7	35
135	On the prediction of steady-state wear rate in spur gears. <i>Wear</i> , 2015, 342-343, 234-243.	3.1	55
136	On the effect of surface roughness in point-contact EHL: Formulas for film thickness and asperity load. <i>Tribology International</i> , 2015, 82, 228-244.	5.9	114
137	Improving thermal performance of mechanical seals via surface texturing. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2015, 229, 350-361.	1.8	6
138	Numerical optimization of texture shape for parallel surfaces under unidirectional and bidirectional sliding. <i>Tribology International</i> , 2015, 82, 1-11.	5.9	116
139	Entropic characterization of metal fatigue with stress concentration. <i>International Journal of Fatigue</i> , 2015, 70, 223-234.	5.7	48
140	On the Correlation Between Mechanical Degradation of Lubricating Grease and Entropy. <i>Tribology Letters</i> , 2014, 56, 197-204.	2.6	48
141	On the Contact of Curved Rough Surfaces: Contact Behavior and Predictive Formulas. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2014, 81, .	2.2	25
142	Parametric analysis for a paper-based wet clutch with groove consideration. <i>Tribology International</i> , 2014, 80, 222-233.	5.9	53
143	Thermal performance of mechanical face seal with built-in heat pipe. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2014, 228, 498-510.	1.8	1
144	Mixed elastohydrodynamic lubrication line-contact formulas with different surface patterns. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2014, 228, 849-859.	1.8	19

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145	Nondestructive Testing and Prediction of Remaining Fatigue Life of Metals. Journal of Nondestructive Evaluation, 2014, 33, 309-316.	2.4	9
146	Prediction of Crack Nucleation in Rough Line-Contact Fretting via Continuum Damage Mechanics Approach. Tribology Letters, 2014, 53, 631-643.	2.6	14
147	An experimental approach to estimate damage and remaining life of metals under uniaxial fatigue loading. Materials & Design, 2014, 57, 289-297.	5.1	60
148	Theoretical and experimental investigation of traction coefficient in line-contact EHL of rough surfaces. Tribology International, 2014, 70, 179-189.	5.9	94
149	On the Influence of Traction Coefficient on the Cage Angular Velocity in Roller Bearings. Tribology Transactions, 2014, 57, 793-805.	2.0	25
150	Prediction of wear in grease-lubricated oscillatory journal bearings via energy-based approach. Wear, 2014, 318, 188-201.	3.1	23
151	Rapid estimation of fatigue entropy and toughness in metals. Materials & Design, 2014, 62, 149-157.	5.1	48
152	Criticality of degradation in composite materials subjected to cyclic loading. Composites Part B: Engineering, 2014, 61, 375-382.	12.0	24
153	Thermoelastic Instability in Mechanical Systems with Provision for Surface Roughness. , 2014, , 5699-5714.		1
154	Probabilistic simulation of fatigue damage and life scatter of metallic components. International Journal of Plasticity, 2013, 43, 101-115.	8.8	56
155	On the Magnitude of Cavitation Pressure of Steady-State Lubrication. Tribology Letters, 2013, 51, 153-160.	2.6	47
156	Effect of Surface Cooling on Fatigue Life Improvement. Journal of Failure Analysis and Prevention, 2013, 13, 183-187.	0.9	3
157	An engineering approach for the prediction of wear in mixed lubricated contacts. Wear, 2013, 308, 121-131.	3.1	92
158	Effect of Dimpleâ€™s Internal Structure on Hydrodynamic Lubrication. Tribology Letters, 2013, 52, 415-430.	2.6	85
159	On the optimum groove shapes for load-carrying capacity enhancement in parallel flat surface bearings: Theory and experiment. Tribology International, 2013, 67, 254-262.	5.9	87
160	A thermographic method for remaining fatigue life prediction of welded joints. Materials & Design, 2013, 51, 916-923.	5.1	46
161	A variational approach to the fracture of brittle thin films subject to out-of-plane loading. Journal of the Mechanics and Physics of Solids, 2013, 61, 2360-2379.	4.8	28
162	Deterministic surface tractions in rough contact under stickâ€™slip condition: Application to fretting fatigue crack initiation. International Journal of Fatigue, 2013, 56, 75-85.	5.7	14

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163	On the optimization of running-in operating conditions in applications involving EHL line contact. <i>Wear</i> , 2013, 303, 130-137.	3.1	27
164	Experimental testing and thermal analysis of ball bearings. <i>Tribology International</i> , 2013, 60, 93-103.	5.9	140
165	Prediction of Wear in Reciprocating Dry Sliding via Dissipated Energy and Temperature Rise. <i>Tribology Letters</i> , 2013, 50, 365-378.	2.6	31
166	On the role of damage energy in the fatigue degradation characterization of a composite laminate. <i>Composites Part B: Engineering</i> , 2013, 45, 528-537.	12.0	53
167	Lubrication Regimes “ Line Contacts. , 2013, , 2113-2116.		2
168	On the role of cooling on fatigue failure of a woven glass/epoxy laminate. <i>Journal of Composite Materials</i> , 2013, 47, 1803-1815.	2.4	10
169	Stochastic analysis of inter- and intra-laminar damage in notched PEEK laminates. <i>EXPRESS Polymer Letters</i> , 2013, 7, 383-395.	2.1	19
170	On the modeling and shape optimization of hydrodynamic flexible-pad thrust bearings. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2013, 227, 548-558.	1.8	6
171	Grease and Grease Life. , 2013, , 1555-1561.		5
172	Wet Clutch Friction Material: The Surfaced Groove Effect. , 2013, , 4102-4108.		3
173	A Review of Mechanical Seals Heat Transfer Augmentation Techniques. <i>Recent Patents on Mechanical Engineering</i> , 2013, 6, 87-96.	0.3	9
174	An Application of Dimensional Analysis to Entropy-Wear Relationship. <i>Journal of Tribology</i> , 2012, 134, .	1.9	22
175	Film Thickness and Asperity Load Formulas for Line-Contact Elastohydrodynamic Lubrication With Provision for Surface Roughness. <i>Journal of Tribology</i> , 2012, 134, .	1.9	123
176	Thermohydrodynamic Analysis of Spiral Groove Mechanical Face Seal for Liquid Applications. <i>Journal of Tribology</i> , 2012, 134, .	1.9	37
177	A comprehensive fatigue failure criterion based on thermodynamic approach. <i>Journal of Composite Materials</i> , 2012, 46, 437-447.	2.4	33
178	On the Role of Entropy Generation in Processes Involving Fatigue. <i>Entropy</i> , 2012, 14, 24-31.	2.2	72
179	Nondestructive Estimation of Remaining Fatigue Life: Thermography Technique. <i>Journal of Failure Analysis and Prevention</i> , 2012, 12, 683-688.	0.9	21
180	Authors’ Closure to “Discussion of “An Application of Dimensional Analysis to Entropy-Wear Relationship,” (2012, ASME J. Tribol., 134, p. 011604). <i>Journal of Tribology</i> , 2012, 134, .	1.9	0

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181	Dissipated thermal energy and damage evolution of Glass/Epoxy using infrared thermography and acoustic emission. <i>Composites Part B: Engineering</i> , 2012, 43, 1613-1620.	12.0	110
182	Thermodynamic analysis of fatigue failure in a composite laminate. <i>Mechanics of Materials</i> , 2012, 46, 113-122.	3.2	73
183	Thermal performance of mechanical seals with textured side-wall. <i>Tribology International</i> , 2012, 45, 1-7.	5.9	30
184	On the fretting crack nucleation with provision for size effect. <i>Tribology International</i> , 2012, 47, 32-43.	5.9	26
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368	A Theory of Liquid-Solid Lubrication in Elastohydrodynamic Regime. <i>Journal of Tribology</i> , 1989, 111, 440-444.	1.9	24
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374	A Review of Thermal Effects in Hydrodynamic Bearings Part I: Slider and Thrust Bearings. <i>ASLE Transactions</i> , 1987, 30, 19-25.	0.6	69
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377	Adaptive control of active tilting-pad bearings. , 0, , .		9
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380	Appendix B: Viscosity Conversions. , 0 , 555-556.		1
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382	Introduction to Thermodynamics of Mechanical Fatigue. , 0 , .		29
383	Appendix A: Unit Conversion Factors. , 0 , 551-553.		0
384	Tribologyâ€™ Friction, Wear, and Lubrication. , 0 , 1-21.		0
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