

Michael Khonsari

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9,111
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70
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435
ext. papers

10,392
ext. citations

3.1
avg, IF

7.08
L-index

#	Paper	IF	Citations
4 ¹⁶	An Experimental Investigation of Dimple Effect on the Stribeck Curve of Journal Bearings. <i>Tribology Letters</i> , 2007 , 27, 169-176	2.8	182
4 ¹⁵	The Stribeck Curve: Experimental Results and Theoretical Prediction. <i>Journal of Tribology</i> , 2006 , 128, 789	1.8	157
4 ¹⁴	On the thermodynamic entropy of fatigue fracture. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2010 , 466, 423-438	2.4	153
4 ¹³	Experimental investigation of tribological performance of laser textured stainless steel rings. <i>Tribology International</i> , 2011 , 44, 635-644	4.9	148
4 ¹²	On the Thermodynamics of Friction and Wear—A Review. <i>Entropy</i> , 2010 , 12, 1021-1049	2.8	134
4 ¹¹	Rapid determination of fatigue failure based on temperature evolution: Fully reversed bending load. <i>International Journal of Fatigue</i> , 2010 , 32, 382-389	5	132
4 ¹⁰	On the Prediction of Cavitation in Dimples Using a Mass-Conservative Algorithm. <i>Journal of Tribology</i> , 2009 , 131,	1.8	129
4 ⁰⁹	On the thermodynamics of degradation. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2008 , 464, 2001-2014	2.4	119
4 ⁰⁸	Validation simulations for the variational approach to fracture. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015 , 290, 420-437	5.7	114
4 ⁰⁷	On the Performance of Finite Journal Bearings Lubricated with Micropolar Fluids. <i>Tribology Transactions</i> , 1989 , 32, 155-160	1.8	114
4 ⁰⁶	Experimental testing and thermal analysis of ball bearings. <i>Tribology International</i> , 2013 , 60, 93-103	4.9	93
4 ⁰⁵	2008 ,		92
4 ⁰⁴	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	10	91
4 ⁰³	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	4.9	87
4 ⁰²	Numerical optimization of texture shape for parallel surfaces under unidirectional and bidirectional sliding. <i>Tribology International</i> , 2015 , 82, 1-11	4.9	85
4 ⁰¹	Performance Analysis of Full-Film Textured Surfaces With Consideration of Roughness Effects. <i>Journal of Tribology</i> , 2011 , 133,	1.8	81
4 ⁰⁰	Thermohydrodynamic Analysis of Laminar Incompressible Journal Bearings. <i>ASLE Transactions</i> , 1986 , 29, 141-150		81

399	Asperity micro-contact models as applied to the deformation of rough line contact. <i>Tribology International</i> , 2012 , 52, 61-74	4.9	77
398	Film Thickness and Asperity Load Formulas for Line-Contact Elastohydrodynamic Lubrication With Provision for Surface Roughness. <i>Journal of Tribology</i> , 2012 , 134,	1.8	77
397	Hydrodynamic Analysis of Compliant Foil Bearings With Compressible Air Flow. <i>Journal of Tribology</i> , 2004 , 126, 542-546	1.8	75
396	A Review of Thermal Effects in Hydrodynamic Bearings. Part II: Journal Bearings. <i>ASLE Transactions</i> , 1987 , 30, 26-33		74
395	Thermal influence on torque transfer of wet clutches in limited slip differential applications. <i>Tribology International</i> , 2007 , 40, 876-884	4.9	73
394	On the Generalization of Thermohydrodynamic Analyses for Journal Bearings. <i>Journal of Tribology</i> , 1996 , 118, 571-579	1.8	72
393	Theoretical and experimental investigation of traction coefficient in line-contact EHL of rough surfaces. <i>Tribology International</i> , 2014 , 70, 179-189	4.9	71
392	High-pressure rheology of lubricants and limitations of the Reynolds equation. <i>Tribology International</i> , 1998 , 31, 573-586	4.9	70
391	Life prediction of metals undergoing fatigue load based on temperature evolution. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 1555-1559	5.3	68
390	Effect of Dimple Internal Structure on Hydrodynamic Lubrication. <i>Tribology Letters</i> , 2013 , 52, 415-430	2.8	67
389	An experimental approach to low-cycle fatigue damage based on thermodynamic entropy. <i>International Journal of Solids and Structures</i> , 2010 , 47, 875-880	3.1	67
388	Performance of Spur Gears Considering Surface Roughness and Shear Thinning Lubricant. <i>Journal of Tribology</i> , 2008 , 130,	1.8	67
387	A Thermohydrodynamic Analysis of Foil Journal Bearings. <i>Journal of Tribology</i> , 2006 , 128, 534-541	1.8	67
386	Thermodynamic analysis of fatigue failure in a composite laminate. <i>Mechanics of Materials</i> , 2012 , 46, 113-122	3.3	66
385	Granular Lubrication: Toward an Understanding of the Transition Between Kinetic and Quasi-Fluid Regime. <i>Journal of Tribology</i> , 2004 , 126, 137-145	1.8	66
384	Thermal Characteristics of a Wet Clutch. <i>Journal of Tribology</i> , 1999 , 121, 610-617	1.8	66
383	An Experimental Approach to Evaluate the Critical Damage. <i>International Journal of Damage Mechanics</i> , 2011 , 20, 89-112	3	65
382	On The Fluid-Solid Interaction in Reference to Thermoelastohydrodynamic Analysis of Journal Bearings. <i>Journal of Tribology</i> , 1991 , 113, 398-404	1.8	64

381	An engineering approach for the prediction of wear in mixed lubricated contacts. <i>Wear</i> , 2013 , 308, 121-134	3.4	63
380	On the optimum groove shapes for load-carrying capacity enhancement in parallel flat surface bearings: Theory and experiment. <i>Tribology International</i> , 2013 , 67, 254-262	4.9	63
379	A Modification of the Switch Function in the Elrod Cavitation Algorithm. <i>Journal of Tribology</i> , 2011 , 133,	1.8	61
378	A Review of Thermal Effects in Hydrodynamic Bearings Part I: Slider and Thrust Bearings. <i>ASLE Transactions</i> , 1987 , 30, 19-25		57
377	On the Role of Entropy Generation in Processes Involving Fatigue. <i>Entropy</i> , 2012 , 14, 24-31	2.8	55
376	Wear anisotropy of selective laser melted 316L stainless steel. <i>Wear</i> , 2019 , 428-429, 376-386	3.5	54
375	Stability Boundary of Non-Linear Orbits Within Clearance Circle of Journal Bearings. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1993 , 115, 303-307	1.6	54
374	A thermodynamic approach to fatigue damage accumulation under variable loading. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 6133-6139	5.3	52
373	2017 ,		52
372	An experimental approach to estimate damage and remaining life of metals under uniaxial fatigue loading. <i>Materials & Design</i> , 2014 , 57, 289-297		51
371	On the elasto-hydrodynamic analysis of shear-thinning fluids. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2007 , 463, 3271-3290	2.4	51
370	Bifurcation Analysis of a Flexible Rotor Supported by Two Fluid-Film Journal Bearings. <i>Journal of Tribology</i> , 2006 , 128, 594-603	1.8	49
369	An investigation into the transient behavior of journal bearing with surface texture based on fluid-structure interaction approach. <i>Tribology International</i> , 2018 , 118, 246-255	4.9	48
368	Probabilistic simulation of fatigue damage and life scatter of metallic components. <i>International Journal of Plasticity</i> , 2013 , 43, 101-115	7.6	47
367	Friction and wear characteristics of ceramic nanocomposite coatings: Titanium carbide/amorphous hydrocarbon. <i>Applied Physics Letters</i> , 2001 , 79, 329-331	3.4	47
366	On the Prediction of Running-In Behavior in Mixed-Lubrication Line Contact. <i>Journal of Tribology</i> , 2010 , 132,	1.8	46
365	On the role of lubricant rheology and piezo-viscous properties in line and point contact EHL. <i>Tribology International</i> , 2009 , 42, 1522-1530	4.9	46
364	Topological and shape optimization of thrust bearings for enhanced load-carrying capacity. <i>Tribology International</i> , 2012 , 53, 12-21	4.9	45

363	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	10	45
362	On the degradation of superhydrophobic surfaces: A review. <i>Wear</i> , 2017 , 372-373, 145-157	3.5	44
361	Effect of Surface Pattern on Stribeck Curve. <i>Tribology Letters</i> , 2010 , 37, 477-486	2.8	44
360	Thermoelastohydrodynamic Analysis of Spur Gears with Consideration of Surface Roughness. <i>Tribology Letters</i> , 2008 , 32, 129-141	2.8	44
359	An Experimental Validation of the Recently Discovered Scale Effect in Generalized Newtonian EHL. <i>Tribology Letters</i> , 2009 , 33, 127-135	2.8	42
358	Experimental and theoretical investigation of running-in. <i>Tribology International</i> , 2011 , 44, 92-100	4.9	42
357	On the correlation between wear and entropy in dry sliding contact. <i>Wear</i> , 2011 , 270, 781-790	3.5	41
356	The evolution of foil bearing technology. <i>Tribology International</i> , 2019 , 135, 305-323	4.9	40
355	On the anelasticity and fatigue fracture entropy in high-cycle metal fatigue. <i>Materials and Design</i> , 2015 , 82, 18-27	8.1	40
354	Rapid estimation of fatigue entropy and toughness in metals. <i>Materials & Design</i> , 2014 , 62, 149-157		40
353	Parametric analysis for a paper-based wet clutch with groove consideration. <i>Tribology International</i> , 2014 , 80, 222-233	4.9	40
352	Investigation of tribological behaviors of annular rings with spiral groove. <i>Tribology International</i> , 2011 , 44, 1610-1619	4.9	40
351	On the prediction of fatigue crack initiation in rolling/sliding contacts with provision for loading sequence effect. <i>Tribology International</i> , 2011 , 44, 1620-1628	4.9	40
350	On the Characteristics of Misaligned Journal Bearings. <i>Lubricants</i> , 2015 , 3, 27-53	3.1	39
349	A Thermodynamic Approach for Prediction of Wear Coefficient Under Unlubricated Sliding Condition. <i>Tribology Letters</i> , 2010 , 38, 347-354	2.8	39
348	On the Lubrication Mechanism of Grain Flows. <i>Tribology Transactions</i> , 1994 , 37, 516-524	1.8	39
347	Notes on Transient THD Effects in a Lubricating Film. <i>Tribology Transactions</i> , 1992 , 35, 177-183	1.8	39
346	Wear simulation for the journal bearings operating under aligned shaft and steady load during start-up and coast-down conditions. <i>Tribology International</i> , 2016 , 97, 440-466	4.9	39

345	Thermocapillary Migration of Liquid Droplets Induced by a Unidirectional Thermal Gradient. <i>Langmuir</i> , 2016 , 32, 7485-92	4	38
344	On the role of internal friction in low-and high-cycle fatigue. <i>International Journal of Fatigue</i> , 2018 , 114, 159-166	5	38
343	Application of Transient Elastohydrodynamic Lubrication Analysis for Gear Transmissions. <i>Tribology Transactions</i> , 1995 , 38, 905-913	1.8	38
342	Thermal Elastohydrodynamic Analysis Using a Generalized Non-Newtonian Formulation With Application to Bair-Winer Constitutive Equation. <i>Journal of Tribology</i> , 1994 , 116, 37-46	1.8	38
341	On the Magnitude of Cavitation Pressure of Steady-State Lubrication. <i>Tribology Letters</i> , 2013 , 51, 153-160	3.8	37
340	On the prediction of steady-state wear rate in spur gears. <i>Wear</i> , 2015 , 342-343, 234-243	3.5	36
339	The Effect of Load (Pressure) for Quantitative EHL Film Thickness. <i>Tribology Letters</i> , 2010 , 37, 613-622	2.8	36
338	The effect of laser machined pockets on the lubrication of piston ring prototypes. <i>Tribology International</i> , 2016 , 101, 273-283	4.9	36
337	On the evaluation of fracture fatigue entropy. <i>Theoretical and Applied Fracture Mechanics</i> , 2018 , 96, 351-361	3.7	36
336	On the Limiting Load-Carrying Capacity of Foil Bearings. <i>Journal of Tribology</i> , 2004 , 126, 817-818	1.8	35
335	On the Lift-off Speed in Journal Bearings. <i>Tribology Letters</i> , 2005 , 20, 299-305	2.8	35
334	A finite element analysis of the frictional forces between a cylindrical bearing element and MoS ₂ coated and uncoated surfaces. <i>Wear</i> , 1996 , 194, 60-70	3.5	35
333	On Thermally Induced Seizure in Journal Bearings. <i>Journal of Tribology</i> , 1989 , 111, 661-667	1.8	35
332	On the self-excited whirl orbits of a journal in a sleeve bearing lubricated with micropolar fluids. <i>Acta Mechanica</i> , 1990 , 81, 235-244	2.1	35
331	Texture Shape Optimization for Seal-Like Parallel Surfaces: Theory and Experiment. <i>Tribology Transactions</i> , 2016 , 59, 698-706	1.8	35
330	Entropic characterization of metal fatigue with stress concentration. <i>International Journal of Fatigue</i> , 2015 , 70, 223-234	5	34
329	Effects of oil inlet pressure and inlet position of axially grooved infinitely long journal bearings. Part I: Analytical solutions and static performance. <i>Tribology International</i> , 2008 , 41, 119-131	4.9	34
328	Application of Hopf bifurcation theory to rotor-bearing systems with consideration of turbulent effects. <i>Tribology International</i> , 2006 , 39, 701-714	4.9	34

327	Flow Characteristics of a Powder Lubricant Sheared Between Parallel Plates. <i>Journal of Tribology</i> , 2000 , 122, 147-155	1.8	34
326	On the thermally-induced seizure in bearings: A review. <i>Tribology International</i> , 2015 , 91, 118-130	4.9	33
325	Damage accumulation and crack initiation detection based on the evolution of surface roughness parameters. <i>International Journal of Fatigue</i> , 2018 , 107, 130-144	5	33
324	An engineering approach for rapid evaluation of traction coefficient and wear in mixed EHL. <i>Tribology International</i> , 2015 , 92, 184-190	4.9	32
323	On the Correlation Between Mechanical Degradation of Lubricating Grease and Entropy. <i>Tribology Letters</i> , 2014 , 56, 197-204	2.8	32
322	Three-Dimensional Thermohydrodynamic Analysis of a Wet Clutch With Consideration of Grooved Friction Surfaces. <i>Journal of Tribology</i> , 2011 , 133,	1.8	32
321	Prediction of Steady State Adhesive Wear in Spur Gears Using the EHL Load Sharing Concept. <i>Journal of Tribology</i> , 2009 , 131,	1.8	32
320	CFD Based Design Techniques for Thermal Prediction in a Generic Two-Axial Groove Hydrodynamic Journal Bearing. <i>Journal of Tribology</i> , 1997 , 119, 428-435	1.8	32
319	Generalized Boundary Interactions for Powder Lubricated Couette Flows. <i>Journal of Tribology</i> , 1996 , 118, 580-588	1.8	32
318	A thermographic method for remaining fatigue life prediction of welded joints. <i>Materials & Design</i> , 2013 , 51, 916-923		31
317	On the modeling of multi-body interaction problems in tribology. <i>Wear</i> , 1997 , 207, 55-62	3.5	30
316	Effects of oil inlet pressure and inlet position of axially grooved infinitely long journal bearings. Part II: Nonlinear instability analysis. <i>Tribology International</i> , 2008 , 41, 132-140	4.9	30
315	A thermodynamic approach for predicting fretting fatigue life. <i>Tribology Letters</i> , 2005 , 19, 169-175	2.8	30
314	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	3.1	29
313	On the Behavior of Misaligned Journal Bearings Based on Mass-Conservative Thermohydrodynamic Analysis. <i>Journal of Tribology</i> , 2010 , 132,	1.8	29
312	EHL Circular Contact Film Thickness Correction Factor for Shear-Thinning Fluids. <i>Journal of Tribology</i> , 2008 , 130,	1.8	28
311	Granular Collision Lubrication: Experimental Investigation and Comparison to Theory. <i>Journal of Tribology</i> , 2007 , 129, 923-932	1.8	28
310	On the granular lubrication theory. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2005 , 461, 3255-3278	2.4	28

309	Adiabatic Shear Localization in a Liquid Lubricant Under Pressure. <i>Journal of Tribology</i> , 1994 , 116, 705-708	2.8	28
308	A comprehensive fatigue failure criterion based on thermodynamic approach. <i>Journal of Composite Materials</i> , 2012 , 46, 437-447	2.7	27
307	Thermohydrodynamic Analysis of Spiral Groove Mechanical Face Seal for Liquid Applications. <i>Journal of Tribology</i> , 2012 , 134,	1.8	27
306	An Analysis of Powder Lubricated Slider Bearings. <i>Journal of Tribology</i> , 1996 , 118, 206-214	1.8	27
305	Numerical Simulations of the Flow Field Around the Rings of Mechanical Seals. <i>Journal of Tribology</i> , 2006 , 128, 559-565	1.8	27
304	On the wear prediction of the paper-based friction material in a wet clutch. <i>Wear</i> , 2015 , 334-335, 56-66	3.5	26
303	A variational approach to the fracture of brittle thin films subject to out-of-plane loading. <i>Journal of the Mechanics and Physics of Solids</i> , 2013 , 61, 2360-2379	5	26
302	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	4.9	26
301	Traction in EHL Line Contacts Using Free-Volume Pressure-Viscosity Relationship With Thermal and Shear-Thinning Effects. <i>Journal of Tribology</i> , 2009 , 131,	1.8	26
300	A generalized thermoelastic instability analysis. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2003 , 459, 309-329	2.4	26
299	Thermal and Dynamic Characterization of Wet Clutch Engagement With Provision for Drive Torque. <i>Journal of Tribology</i> , 2001 , 123, 313-323	1.8	26
298	Stability of a Rigid Rotor Supported on Flexible Oil Journal Bearings. <i>Journal of Tribology</i> , 1988 , 110, 181-187	1.8	26
297	Brittle rotational faults and the associated shear heating. <i>Marine and Petroleum Geology</i> , 2017 , 88, 551-564	4.7	25
296	Prediction of Wear in Reciprocating Dry Sliding via Dissipated Energy and Temperature Rise. <i>Tribology Letters</i> , 2013 , 50, 365-378	2.8	25
295	Combined Effects of Shear Thinning and Viscous Heating on EHL Characteristics of Rolling/Sliding Line Contacts. <i>Journal of Tribology</i> , 2008 , 130,	1.8	25
294	On the role of particulate contamination in scuffing failure. <i>Wear</i> , 1990 , 137, 51-62	3.5	25
293	Tribological and Sealing Performance of Laser Pocketed Piston Rings in a Diesel Engine. <i>Tribology Letters</i> , 2016 , 64, 1	2.8	25
292	Thermal performance of mechanical seals with textured side-wall. <i>Tribology International</i> , 2012 , 45, 1-7	4.9	24

291	On the fretting crack nucleation with provision for size effect. <i>Tribology International</i> , 2012 , 47, 32-43	4.9	24
290	Thermoelastic Instability With Consideration of Surface Roughness and Hydrodynamic Lubrication. <i>Journal of Tribology</i> , 2000 , 122, 725-732	1.8	23
289	On the Scuffing Failure of Hydrodynamic Bearings in the Presence of an Abrasive Contaminant. <i>Journal of Tribology</i> , 1999 , 121, 90-96	1.8	23
288	Effect of viscous dissipation on the lubrication characteristics of micropolar fluids. <i>Acta Mechanica</i> , 1994 , 105, 57-68	2.1	23
287	Finite element model of journal bearings undergoing rapid thermally induced seizure. <i>Tribology International</i> , 1992 , 25, 177-182	4.9	23
286	Thermoelastic behaviour of journal bearings undergoing seizure. <i>Tribology International</i> , 1992 , 25, 183-187	4.9	23
285	On the entropy of fatigue crack propagation. <i>International Journal of Fatigue</i> , 2020 , 133, 105413	5	23
284	On the thermally-induced failure of rolling element bearings. <i>Tribology International</i> , 2016 , 94, 661-674	4.9	22
283	Inter-book normal fault-related shear heating in brittle bookshelf faults. <i>Marine and Petroleum Geology</i> , 2018 , 97, 45-48	4.7	22
282	Heat Transfer in a Thin-Film Flow in the Presence of Squeeze and Shear Thinning: Application to Piston Rings. <i>Journal of Heat Transfer</i> , 1997 , 119, 249-257	1.8	22
281	Effect of particle size dispersion on granular lubrication regimes. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2008 , 222, 725-739	1.4	22
280	Thermally Induced Seizure in Journal Bearings During Startup and Transient Flow Disturbance. <i>Journal of Tribology</i> , 2003 , 125, 833-841	1.8	22
279	Design of bearings on the basis of thermohydrodynamic analysis. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2004 , 218, 355-363	1.4	22
278	On the integrated degradation coefficient for adhesive wear: A thermodynamic approach. <i>Wear</i> , 2018 , 408-409, 138-150	3.5	22
277	Effect of Untampered Plasma Coating and Surface Texturing on Friction and Running-in Behavior of Piston Rings. <i>Coatings</i> , 2018 , 8, 110	2.9	21
276	On the optimization of running-in operating conditions in applications involving EHL line contact. <i>Wear</i> , 2013 , 303, 130-137	3.5	21
275	A study on the effect of starvation in mixed elastohydrodynamic lubrication. <i>Tribology International</i> , 2015 , 85, 26-36	4.9	21
274	Thermohydrodynamic Design Charts for Slider Bearings. <i>Journal of Tribology</i> , 1997 , 119, 733-740	1.8	21

273	Experimental Characterization of Sliding Friction: Crossing From Deformation to Plowing Contact. <i>Journal of Tribology</i> , 2000 , 122, 856-863	1.8	21
272	On Monitoring Physical and Chemical Degradation and Life Estimation Models for Lubricating Greases. <i>Lubricants</i> , 2016 , 4, 34	3.1	21
271	On the Applicability of Miner's Rule to Adhesive Wear. <i>Tribology Letters</i> , 2016 , 63, 1	2.8	20
270	Criticality of degradation in composite materials subjected to cyclic loading. <i>Composites Part B: Engineering</i> , 2014 , 61, 375-382	10	20
269	On the Contact of Curved Rough Surfaces: Contact Behavior and Predictive Formulas. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2014 , 81,	2.7	20
268	Experimental Investigation on the Stick-Slip Phenomenon in Granular Collision Lubrication. <i>Journal of Tribology</i> , 2008 , 130,	1.8	20
267	Prediction of the Stability Envelope of Rotor-Bearing System. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2006 , 128, 197-202	1.6	20
266	On the Hysteresis Phenomenon Associated With Instability of Rotor-Bearing Systems. <i>Journal of Tribology</i> , 2006 , 128, 188-196	1.8	20
265	On the Formation of Hot Spots in Wet Clutch Systems. <i>Journal of Tribology</i> , 2002 , 124, 336-345	1.8	20
264	A Continuum Theory of a Lubrication Problem With Solid Particles. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1993 , 60, 48-58	2.7	20
263	A Theory of Hydrodynamic Lubrication Involving the Mixture of Two Fluids. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1994 , 61, 634-641	2.7	20
262	A Theory of Liquid-Solid Lubrication in Elastohydrodynamic Regime. <i>Journal of Tribology</i> , 1989 , 111, 440-444	1.8	20
261	Dynamics Analysis of Torsional Vibration Induced by Clutch and Gear Set in Automatic Transmission. <i>International Journal of Automotive Technology</i> , 2018 , 19, 473-488	1.6	19
260	Heat transfer correlations for laminar flows within a mechanical seal chamber. <i>Tribology International</i> , 2009 , 42, 770-778	4.9	19
259	Analysis of conjugate heat transfer and turbulent flow in mechanical seals. <i>Tribology International</i> , 2009 , 42, 762-769	4.9	19
258	An Application of Dimensional Analysis to Entropy-Wear Relationship. <i>Journal of Tribology</i> , 2012 , 134,	1.8	19
257	Frictional Analysis of MoS ₂ Coated Ball Bearings: A Three-Dimensional Finite Element Analysis. <i>Journal of Tribology</i> , 1997 , 119, 754-763	1.8	19
256	Effect of alloying elements on the interphase boundary energy in Ni-base superalloys. <i>Intermetallics</i> , 2020 , 117, 106670	3.5	19

255	On the application of fracture fatigue entropy to variable frequency and loading amplitude. <i>Theoretical and Applied Fracture Mechanics</i> , 2018 , 98, 30-37	3.7	19
254	On the Modeling of Adhesive Wear with Consideration of Loading Sequence. <i>Tribology Letters</i> , 2018 , 66, 1	2.8	18
253	Overview: Additive Manufacturing Enabled Accelerated Design of Ni-based Alloys for Improved Fatigue Life. <i>Additive Manufacturing</i> , 2019 , 29, 100779	6.1	18
252	On the Influence of Traction Coefficient on the Cage Angular Velocity in Roller Bearings. <i>Tribology Transactions</i> , 2014 , 57, 793-805	1.8	18
251	Surface Temperature in Oscillating Sliding Interfaces. <i>Journal of Tribology</i> , 2005 , 127, 1-9	1.8	18
250	Introduction to Thermodynamics of Mechanical Fatigue		18
249	Neutron interferometry detection of early crack formation caused by bending fatigue in additively manufactured SS316 dogbones. <i>Materials and Design</i> , 2018 , 140, 420-430	8.1	18
248	Prediction of wear in grease-lubricated oscillatory journal bearings via energy-based approach. <i>Wear</i> , 2014 , 318, 188-201	3.5	17
247	Correction Factor Formula to Predict the Central and Minimum Film Thickness for Shear-Thinning Fluids in EHL. <i>Journal of Tribology</i> , 2008 , 130,	1.8	17
246	Thermohydrodynamic Seizure: Experimental and Theoretical Analysis. <i>Journal of Tribology</i> , 1998 , 120, 8-15	1.8	17
245	The Response of Balls Undergoing Oscillatory Motion: Crossing From Boundary to Mixed Lubrication Regimes. <i>Journal of Tribology</i> , 1993 , 115, 261-266	1.8	17
244	Acoustic Entropy of the Materials in the Course of Degradation. <i>Entropy</i> , 2016 , 18, 280	2.8	17
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