Roger Lewis

List of Publications by Year
in descending order

188 papers	5,294 citations	87723 38 h-index	128067 60 g-index
190 all docs	190 docs citations	190 times ranked	2723 citing authors

#	Article	IF	Citations
1	Numerical calculation of wear in rolling contact based on the Archard equation: Effect of contact parameters and consideration of uncertainties. Wear, 2022, 490-491, 204188.	1.5	14
2	A comprehensive characterisation of Laser Sintered Polyamide-12 surfaces. Polymer Testing, 2022, 106, 107450.	2.3	5
3	Comparison of the damage and microstructure evolution of eutectoid and hypereutectoid rail steels under a rolling-sliding contact. Wear, 2022, 492-493, 204233.	1.5	5
4	DEM modelling of railway ballast using the Conical Damage Model: a comprehensive parametrisation strategy. Granular Matter, 2022, 24, 40.	1.1	5
5	Effect of seasonal change on the biomechanical and physical properties of the human skin. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 127, 105058.	1.5	4
6	Transition of the friction behaviour and contact stiffness due to repeated high-pressure contact and slip. Tribology International, 2022, 170, 107487.	3.0	4
7	Experimental investigation on ball plate contact using ultrasonic reflectometry: From static to dynamic. Ultrasonics, 2022, 124, 106733.	2.1	4
8	Iron Oxide and Water Paste Rheology and Its Effect on Low Adhesion in the Wheel/Rail Interface. Tribology Letters, 2022, 70, 1.	1.2	6
9	Towards a Standard Approach for the Twin Disc Testing of Top-Of Rail Friction Management Products. Lubricants, 2022, 10, 124.	1.2	8
10	Field trials of a methodology for locomotive brake testing to assess friction enhancement in the wheel/rail interface using a representative leaf layer. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2021, 235, 1053-1064.	1.3	6
11	Effects of oxide and water on friction of rail steel â€“ new test method and friction mapping. Tribology - Materials, Surfaces and Interfaces, 2021, 15, 80-91.	0.6	3
12	New laboratory methodologies to analyse the top of rail friction modifier performance across different test scales. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2021, 235, 191-200.	1.3	2
13	A critical review of the assessment of medical gloves. Tribology - Materials, Surfaces and Interfaces, 2021, 15, 10-19.	0.6	16
14	Assessing the effectiveness of traction gels using full-scale and field testing. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2021, 235, 690-699.	1.3	6
15	Defining the role of â€˜zero wear volumeâ€™ in percussive impact. Wear, 2021, 464-465, 203535.	1.5	0
16	Microstructure evolution of railway pearlitic wheel steels under rolling-sliding contact loading. Tribology International, 2021, 154, 106685.	3.0	93
17	Measuring material plastic response to cyclic loading in modern rail steels from a minimal number of twin-disc tests. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2021, 235, 1203-1213.	1.3	3
18	Effect of simulated tennis steps and slides on tread element friction and wear. Sports Engineering, 2021, 24, 1.	0.5	2

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19	The effects of chlorination, thickness, and moisture on glove donning efficiency. Ergonomics, 2021, 64, 1205-1216.	1.1	6
20	The development of a high pressure torsion test methodology for simulating wheel/rail contacts. Tribology International, 2021, 156, 106842.	3.0	19
21	Case study: Understanding the formation of squat-type defects in a metropolitan railway. Engineering Failure Analysis, 2021, 123, 105325.	1.8	7
22	Two-layer laser clad coating as a replacement for chrome electroplating on forged steel. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 7120-7138.	1.1	4
23	A new approach for modelling mild and severe wear in wheel-rail contacts. Wear, 2021, 476, 203761.	1.5	17
24	Vehicle-based cryogenic rail cleaning: an alternative solution to â€˜leaves on the lineâ€™. Proceedings of the Institution of Civil Engineers: Civil Engineering, 2021, 174, 176-182.	0.3	1
25	Water Jet Erosion Performance of Carbon Fiber and Glass Fiber Reinforced Polymers. Polymers, 2021, 13, 2933.	2.0	2
26	A new predictive model for normal and compound impact wear. Wear, 2021, 480-481, 203954.	1.5	2
27	Modelling of Frictional Conditions in the Wheelâ€“Rail Interface Due to Application of Top-of-Rail Products. Lubricants, 2021, 9, 100.	1.2	11
28	Evaluation of thermo-oxidized Jatropha bio-oil in lubrication of actual wet clutch materials. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2021, 235, 2021-2033.	1.0	3
29	In situ evaluation of contact stiffness in a slip interface with different roughness conditions using ultrasound reflectometry. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, 20210442.	1.0	3
30	Geospatial and temporal data mining to combine railway low adhesion and rail defect data. Proceedings of the Institution of Civil Engineers: Transport, 2020, 173, 273-286.	0.3	1
31	Full-scale testing of low adhesion effects with small amounts of water in the wheel/rail interface. Tribology International, 2020, 141, 105907.	3.0	25
32	Rubber friction and the effect of shape. Tribology International, 2020, 141, 105911.	3.0	23
33	A comparison of wear behaviour of heat-resistant steel engine valves and TiAl engine valves. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2020, 234, 1549-1562.	1.0	5
34	Morphological parametric mapping of 21 skin sites throughout the body using optical coherence tomography. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 102, 103501.	1.5	27
35	Morphology of a human finger pad during sliding against a grooved plate: A pilot study. Biotribology, 2020, 21, 100114.	0.9	12
36	Investigation on wear and rolling contact fatigue of wheel-rail materials under various wheel/rail hardness ratio and creepage conditions. Tribology International, 2020, 143, 106091.	3.0	81

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37	The composition and friction-reducing properties of leaf layers. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200057.	1.0	4
38	Influence of temperature on adhesion coefficient and bonding strength of leaf films: A twin disc study. Wear, 2020, 454-455, 203330.	1.5	5
39	Friction and wear in railway ballast stone interfaces. Tribology International, 2020, 151, 106498.	3.0	8
40	An evaluation of ultrasonic arrays for the static and dynamic measurement of wheelâ€“rail contact pressure and area. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2020, 234, 1580-1593.	1.0	16
41	Shoeâ€“Surface Tribology in Hardcourt Tennis. Proceedings (mdpi), 2020, 49, 90.	0.2	1
42	Improved modelling of trains braking under low adhesion conditions. Tribology - Materials, Surfaces and Interfaces, 2020, 14, 131-141.	0.6	2
43	Evaluation of the coefficient of friction of rail in the field and laboratory using several devices. Tribology - Materials, Surfaces and Interfaces, 2020, 14, 119-129.	0.6	14
44	Shape analysis of railway ballast stones: curvature-based calculation of particle angularity. Scientific Reports, 2020, 10, 6045.	1.6	16
45	Tribological Aspects to Optimize Traction Coefficient during Running-in Period using Surface Texture. Quarterly Report of RTRI (Railway Technical Research Institute) (Japan), 2020, 61, 184-191.	0.1	0
46	Particle characterisation of rail sands for understanding tribological behaviour. Wear, 2019, 432-433, 202960.	1.5	4
47	Verification of the use of Micro-CT scanning to assess the features of entire squat type defects. Wear, 2019, 438-439, 203074.	1.5	3
48	Laser cladding of rail; the effects of depositing material on lower rail grades. Wear, 2019, 438-439, 203045.	1.5	20
49	Development of Grease Tackiness Test. Tribology Transactions, 2019, 62, 207-217.	1.1	11
50	Simulation and understanding the wet-rail phenomenon using twin disc testing. Tribology International, 2019, 136, 475-486.	3.0	22
51	Optimization of Friction Welding Process Parameters for 42Cr9Si2 Hollow Head and Sodium Filled Engine Valve and Valve Performance Evaluation. Materials, 2019, 12, 1123.	1.3	3
52	Effects of Jatropha lubricant thermo-oxidation on the tribological behaviour of engine cylinder liners as measured by a reciprocating friction test. Wear, 2019, 426-427, 910-918.	1.5	15
53	An analysis of the quality of experimental design and reliability of results in tribology research. Wear, 2019, 426-427, 1712-1718.	1.5	19
54	A comparison of friction modifier performance using two laboratory test scales. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2019, 233, 201-210.	1.3	14

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55	Assessing the impact of small amounts of water and iron oxides on adhesion in the wheel/rail interface using High Pressure Torsion testing. Tribology International, 2019, 135, 55-64.	3.0	26
56	Ultrasonic monitoring of insulated block joints. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2019, 233, 251-261.	1.3	5
57	A Review on Wear Between Railway Wheels and Rails Under Environmental Conditions. Journal of Tribology, 2019, 141, .	1.0	30
58	Application of grinding to reduce rail side wear in straight track. Wear, 2018, 402-403, 71-79.	1.5	17
59	Optimisation of a railway sanding system for optimal grain entrainment into the wheelâ€“rail contact. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2018, 232, 43-62.	1.3	15
60	Friction and Wear Phenomena of Vegetable Oilâ€“Based Lubricants with Additives at Severe Sliding Wear Conditions. Tribology Transactions, 2018, 61, 207-219.	1.1	26
61	Effect of the presence of moisture at the wheelâ€“rail interface during dew and damp conditions. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2018, 232, 979-989.	1.3	23
62	Optimisation of grease application to railway tracks. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2018, 232, 1514-1527.	1.3	12
63	A review of railway sanding system research: adhesion restoration and leaf layer removal. Tribology - Materials, Surfaces and Interfaces, 2018, 12, 237-251.	0.6	17
64	Chemistry of black leaf films synthesised using rail steels and their influence on the low friction mechanism. RSC Advances, 2018, 8, 32506-32521.	1.7	14
65	Contemporary challenges of soot build-up in IC engine and their tribological implications. Tribology - Materials, Surfaces and Interfaces, 2018, 12, 115-129.	0.6	7
66	Sub-clinical assessment of atopic dermatitis severity using angiographic optical coherence tomography. Biomedical Optics Express, 2018, 9, 2001.	1.5	24
67	The wear and fatigue behaviours of hollow head & sodium filled engine valve. Tribology International, 2018, 128, 75-88.	3.0	12
68	Measuring contact area in a sliding human fingerâ€pad contact. Skin Research and Technology, 2018, 24, 31-44.	0.8	21
69	Measurement of finger pad forces and friction using finger nail mounted strain gauges. Wear, 2017, 376-377, 295-304.	1.5	7
70	Wheel-rail creep force model for predicting water induced low adhesion phenomena. Tribology International, 2017, 109, 409-415.	3.0	36
71	The low adhesion problem due to leaf contamination in the wheel/rail contact: Bonding and low adhesion mechanisms. Wear, 2017, 378-379, 183-197.	1.5	51
72	How do gloves affect cutaneous sensibility in medical practice? Two new applied tests. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2017, 231, 28-39.	1.0	8

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73	Towards a standard approach for the wear testing of wheel and rail materials. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2017, 231, 760-774.	1.3	35
74	Simulation of arterial dissection by a penetrating external body using cohesive zone modelling. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 71, 95-105.	1.5	12
75	New Non-invasive Techniques to Quantify Skin Surface Strain and Sub-surface Layer Deformation of Finger-pad during Sliding. Biotribology, 2017, 12, 52-58.	0.9	14
76	Influence of medical gloves on fingerpad friction and feel. Wear, 2017, 376-377, 324-328.	1.5	10
77	Full-scale testing of laser clad railway track; Case study â€“ Testing for wear, bend fatigue and insulated block joint lipping integrity. Wear, 2017, 376-377, 1930-1937.	1.5	40
78	The role of slip ratio in rolling contact fatigue of rail materials under wet conditions. Wear, 2017, 376-377, 1892-1900.	1.5	34
79	Influence of Different Application of Lubricants on Wear and Pre-existing Rolling Contact Fatigue Cracks of Rail Materials. Tribology Letters, 2017, 65, 1.	1.2	31
80	A new method for the assessment of traction enhancers and the generation of organic layers in a twin-disc machine. Wear, 2016, 366-367, 258-267.	1.5	16
81	Predicting railway wheel wear under uncertainty of wear coefficient, using universal kriging. Reliability Engineering and System Safety, 2016, 154, 49-59.	5.1	33
82	Characterization and wear performance of boride phases over tool steel substrates. Advances in Mechanical Engineering, 2016, 8, 168781401663025.	0.8	21
83	Controlled peel testing of a model tissue for diseased aorta. Journal of Biomechanics, 2016, 49, 3667-3675.	0.9	23
84	Investigating Foot-sock Friction: A Comparison of Two Different Methodologies. Procedia Engineering, 2016, 147, 759-764.	1.2	5
85	Frictional Interaction between Running Sock Fabrics and Plantar Aspect of First Metatarsal Head in Different Moisture Conditions. Procedia Engineering, 2016, 147, 753-758.	1.2	8
86	A comparison of friction behaviour for ex vivo human, tissue engineered and synthetic skin. Tribology International, 2016, 103, 487-495.	3.0	13
87	Review of top of rail friction modifier tribology. Tribology - Materials, Surfaces and Interfaces, 2016, 10, 150-162.	0.6	35
88	In vivo measurement of skin surface strain and sub-surface layer deformation induced by natural tissue stretching. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 62, 556-569.	1.5	111
89	Material concepts for top of rail friction management â€“ Classification, characterisation and application. Wear, 2016, 366-367, 225-232.	1.5	43
90	Creating a model of diseased artery damage and failure from healthy porcine aorta. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 60, 378-393.	1.5	16

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91	An evaluation of dexterity and cutaneous sensibility tests for use with medical gloves. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 2896-2912.	1.1	9
92	Experimental modelling of lipping in insulated rail joints and investigation of rail head material improvements. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2016, 230, 1375-1387.	1.3	10
93	Improving rail wear and RCF performance using laser cladding. Wear, 2016, 366-367, 268-278.	1.5	77
94	Wear and damage transitions of wheel and rail materials under various contact conditions. Wear, 2016, 362-363, 146-152.	1.5	77
95	Optical coherence elastography for human finger-pad skin deformation studies. Proceedings of SPIE, 2016, , .	0.8	0
96	Skin surface and sub-surface strain and deformation imaging using optical coherence tomography and digital image correlation. Proceedings of SPIE, 2016, , .	0.8	5
97	Correlations between rail wear rates and operating conditions in a commercial railroad. Tribology International, 2016, 95, 5-12.	3.0	40
98	Investigating a methodology to measure moisture in skinâ€“textile friction experiments. Footwear Science, 2015, 7, S15-S16.	0.8	2
99	Rail grinding for the 21st century â€“ taking a lead from the aerospace industry. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2015, 229, 457-465.	1.3	20
100	The real-time measurement of wear using ultrasonic reflectometry. Wear, 2015, 332-333, 1129-1133.	1.5	19
101	Assessment of laser cladding as an option for repairing/enhancing rails. Wear, 2015, 330-331, 581-591.	1.5	113
102	The contributions of skin structural properties to the friction of human finger-pads. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2015, 229, 294-311.	1.0	19
103	Factors influencing the perception of roughness in manual exploration: Do medical gloves reduce cutaneous sensibility?. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2015, 229, 273-284.	1.0	10
104	Finite element assessment of the temperature field couple under joule heat and friction heat between a third rail and collector shoe. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2015, 229, 1086-1094.	1.0	5
105	Understanding the Friction Measured by Standardised Test Methodologies Used to Assess Shoe-Surface Slip Risk. Journal of Testing and Evaluation, 2015, 43, 723-734.	0.4	5
106	Low adhesion due to oxide formation in the presence of salt. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2014, 228, 887-897.	1.3	10
107	Effects of polarity on the friction and wear of collector shoes deployed in a metro traction system. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2014, 228, 323-330.	1.3	5
108	A critical review of glove and hand research with regard to medical glove design. Ergonomics, 2014, 57, 116-129.	1.1	15

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109	Third body layerâ€"experimental results and a model describing its influence on the traction coefficient. Wear, 2014, 314, 148-154.	1.5	47
110	Investigation of the isolation and frictional properties of hydrophobic products on the rail head, when used to combat low adhesion. Wear, 2014, 314, 213-219.	1.5	15
111	Assessment of railway curve lubricant performance using a twin-disc tester. Wear, 2014, 314, 205-212.	1.5	45
112	Wheel and rail wearâ€"Understanding the effects of water and grease. Wear, 2014, 314, 198-204.	1.5	78
113	Effects of deep cryogenic treatment on the wear development of H13A tungsten carbide inserts when machining AISI 1045 steel. Production Engineering, 2014, 8, 355-364.	1.1	27
114	Skin Friction at the Interface between Hands and Sports Equipment. Procedia Engineering, 2014, 72, 611-617.	1.2	11
115	A study of cliniciansâ€™ views on medical gloves and their effect on manual performance. American Journal of Infection Control, 2014, 42, 48-54.	1.1	30
116	Effect of surface texture, moisture and wear on handling of rugby balls. Tribology International, 2013, 63, 196-203.	3.0	14
117	Tribology of the wheelâ€"rail contact â€" aspects of wear, particle emission and adhesion. Vehicle System Dynamics, 2013, 51, 1091-1120.	2.2	52
118	Human finger friction in contacts with ridged surfaces. Wear, 2013, 301, 330-337.	1.5	29
119	Feasibility of using optical coherence tomography to study the influence of skin structure on finger friction. Tribology International, 2013, 63, 34-44.	3.0	33
120	Effect of humidity, temperature and railhead contamination on the performance of friction modifiers: Pin-on-disk study. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2013, 227, 115-127.	1.3	26
121	Investigating openability of rigid plastic containers with peelable lids: The link between human strength and grip and opening forces. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2013, 227, 1056-1068.	1.1	3
122	An ultrasonic sensor for monitoring wheel flange/rail gauge corner contact. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2013, 227, 188-195.	1.3	20
123	The modification of a slip resistance meter for measurement of railhead adhesion. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2013, 227, 196-200.	1.3	10
124	Ultrasonic measurement of self-loosening in bolted joints. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2012, 226, 1869-1884.	1.1	13
125	An assessment of the performance of grip enhancing agents used in sports applications. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2012, 226, 616-625.	1.0	7
126	Effect of Gear Surface and Lubricant Interaction on Mild Wear. Tribology Letters, 2012, 48, 183-200.	1.2	16

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127	Application of Fastsim with variable coefficient of friction using twin disc experimental measurements. Wear, 2012, 274-275, 109-126.	1.5	28
128	Ultrasonic measurement of railway wheel hubâ€“axle press-fit contact pressures. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2011, 225, 287-298.	1.3	22
129	Influence of the Interfacial Pressure Distribution on Loosening of Bolted Joints. Strain, 2011, 47, 65-78.	1.4	8
130	Human finger contact with small, triangular ridged surfaces. Wear, 2011, 271, 2346-2353.	1.5	46
131	Abrasive and impact wear of stone used to manufacture axes in Neolithic Greece. Wear, 2011, 271, 2549-2560.	1.5	13
132	The influence of cryogenic processing on wear on the impact wear resistance of low carbon steel and lamellar graphite cast iron. Wear, 2011, 271, 1481-1489.	1.5	25
133	Characterising and reducing seizure wear of inconel and incoloy superalloys in a sliding contact. Wear, 2011, 271, 1671-1680.	1.5	14
134	Understanding the Friction Mechanisms Between the Human Finger and Flat Contacting Surfaces in Moist Conditions. Tribology Letters, 2011, 41, 283-294.	1.2	100
135	An alternative method for the assessment of railhead traction. Wear, 2011, 271, 62-70.	1.5	20
136	A laboratory investigation on the influence of the particle size and slip during sanding on the adhesion and wear in the wheelâ€“rail contact. Wear, 2011, 271, 14-24.	1.5	71
137	Development of a wear prediction tool for steel railway wheels using three alternative wear functions. Wear, 2011, 271, 238-245.	1.5	101
138	The influence of induction hardening on the impact wear resistance of compacted graphite iron (CGI). Wear, 2011, 270, 302-311.	1.5	36
139	Experimental and numerical modelling of wheelâ€“rail contact and wear. Wear, 2011, 271, 911-924.	1.5	37
140	A study on wear evaluation of railway wheels based onÂmultibodyÂdynamics and wear computation. Multibody System Dynamics, 2010, 24, 347-366.	1.7	62
141	Investigating the Lubricity and Electrical Insulation Caused by Sanding in Dry Wheelâ€“Rail Contacts. Tribology Letters, 2010, 37, 623-635.	1.2	40
142	Rollingâ€“sliding laboratory tests of friction modifiers in dry and wet wheelâ€“rail contacts. Wear, 2010, 268, 543-551.	1.5	85
143	A numerical model of twin disc test arrangement for the evaluation of railway wheel wear prediction methods. Wear, 2010, 268, 660-667.	1.5	37
144	How wide do you want the jar?: the effect on diameter for ease of opening for wideâ€mouth closures. Packaging Technology and Science, 2010, 23, 11-18.	1.3	17

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145	Mapping railway wheel material wear mechanisms and transitions. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2010, 224, 125-137.	1.3	78
146	Laboratory investigation of some sanding parameters to improve the adhesion in leaf-contaminated wheelâ€"rail contacts. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2010, 224, 139-157.	1.3	37
147	Comparison of Tack of Pressure-Sensitive Adhesives (PSAs) at Different Temperatures. Journal of Adhesion Science and Technology, 2010, 24, 1949-1957.	1.4	11
148	Basic tribology of the wheelâ€"rail contact. , 2009, , 34-57.		17
149	Feasibility Study for Real Time Measurement of Wheel-Rail Contact Using an Ultrasonic Array. Journal of Tribology, 2009, 131, .	1.0	18
150	Wheelâ€"rail isolation. , 2009, , 528-549.		1
151	Effect of oil and water mixtures on adhesion in the wheel/rail contact. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2009, 223, 275-283.	1.3	43
152	Rollingâ€"Sliding Laboratory Tests of Friction Modifiers in Leaf Contaminated Wheelâ€"Rail Contacts. Tribology Letters, 2009, 33, 97-109.	1.2	71
153	Understanding the effect of fingerâ€"ball friction on the handling performance of rugby balls. Sports Engineering, 2009, 11, 109-118.	0.5	28
154	Friction in a hydraulic motor piston/cam roller contact lined with PTFE impregnated cloth. Wear, 2009, 266, 888-892.	1.5	8
155	The effect of normal force and roughness on friction in human finger contact. Wear, 2009, 267, 1311-1318.	1.5	97
156	Solid particle erosion caused by rice grains. Wear, 2009, 267, 223-232.	1.5	20
157	Wear of stone used to manufacture axes in the Neolithic settlement at Makriyalos in Northern Greece. Wear, 2009, 267, 1325-1332.	1.5	8
158	Coating and treatment solutions for rolling/sliding component contacts. Wear, 2009, 267, 1009-1021.	1.5	6
159	The influence of laser hardening on wear in the valve and valve seat contact. Wear, 2009, 267, 797-806.	1.5	65
160	Wheelâ€"rail interface handbook. , 2009, , .		117
161	Characterising pressure and bruising in apple fruit. Wear, 2008, 264, 37-46.	1.5	66
162	Twin disc assessment of wheel/rail adhesion. Wear, 2008, 265, 1309-1316.	1.5	149

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163	The effects of soot-contaminated engine oil on wear and friction: A review. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2008, 222, 1669-1689.	1.1	87
164	Comparison of numerical and ultrasonic techniques for quantifying interference fit pressures. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2008, 222, 1125-1130.	1.1	9
165	Review of the frictional properties of finger-object contact when gripping. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2007, 221, 841-850.	1.0	71
166	Wear of a chute in a rice sorting machine. Wear, 2007, 263, 65-73.	1.5	8
167	Development of engineering design tools to help reduce apple bruising. Journal of Food Engineering, 2007, 83, 356-365.	2.7	61
168	Getting to grips with packaging: using ethnography and computer simulation to understand handâ€“pack interaction. Packaging Technology and Science, 2007, 20, 217-229.	1.3	29
169	Finger friction: Grip and opening packaging. Wear, 2007, 263, 1124-1132.	1.5	63
170	A modelling technique for predicting compound impact wear. Wear, 2007, 262, 1516-1521.	1.5	31
171	Friction and wear testing for a down-hole oil well centraliser. Wear, 2007, 263, 57-64.	1.5	12
172	Wear at the wheel/rail interface when sanding is used to increase adhesion. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2006, 220, 29-41.	1.3	74
173	Wear effects and mechanisms of soot-contaminated automotive lubricants. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2006, 220, 159-169.	1.0	54
174	A mathematical model to predict railway wheel profile evolution due to wear. Wear, 2006, 261, 1253-1264.	1.5	257
175	Characterisation of Contact Pressure Distribution in Bolted Joints. Strain, 2006, 42, 31-43.	1.4	73
176	Temperature in a twin-disc wheel/rail contact simulation. Tribology International, 2006, 39, 1653-1663.	3.0	42
177	Interactions between toothbrush and toothpaste particles during simulated abrasive cleaning. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2006, 220, 755-765.	1.0	13
178	Experimental Characterization of Wheel-Rail Contact Patch Evolution. Journal of Tribology, 2006, 128, 493-504.	1.0	55
179	Static wheel/rail contact isolation due to track contamination. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2006, 220, 43-53.	1.3	14
180	Measurement of interface pressure in interference fits. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2005, 219, 127-139.	1.1	41

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181	A design tool for railway wheels incorporating damage models and dynamic simulations. , 2005, , .		0
182	An ultrasonic approach for contact stress mapping in machine joints and concentrated contacts. Journal of Strain Analysis for Engineering Design, 2004, 39, 339-350.	1.0	37
183	Mapping rail wear regimes and transitions. Wear, 2004, 257, 721-729.	1.5	200
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