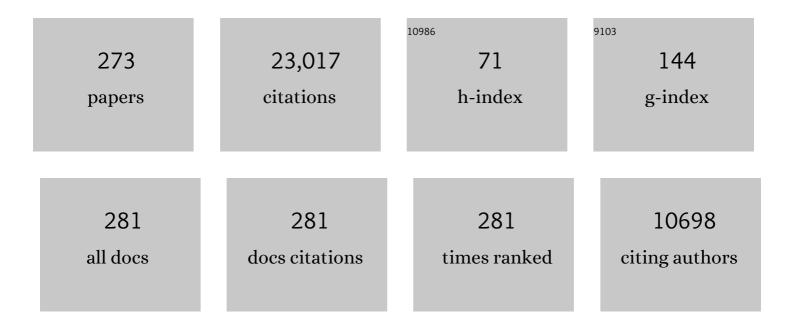
List of Publications by Year in descending order

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#	Article	lF	CITATIONS
1	Effect of different irrigation activation techniques on irrigation penetration into the simulated lateral canals. Odontology / the Society of the Nippon Dental University, 2023, 111, 132-141.	1.9	5
2	Editorial: 2D-Layered Nanomaterials: Chemical Functionalization, Advanced Characterization, and Tribological Properties. Frontiers in Chemistry, 2022, 10, 840213.	3.6	3
3	Diamond-like carbon films and their superlubricity. , 2021, , 215-230.		4
4	Robust Interfacial Tribofilms by Borate- and Polymer-Coated ZnO Nanoparticles Leading to Improved Wear Protection under a Boundary Lubrication Regime. Langmuir, 2021, 37, 1743-1759.	3.5	15
5	Tribological Interaction of Plasma-Functionalized CaCO3 Nanoparticles with Zinc and Ashless Dithiophosphate Additives. Tribology Letters, 2021, 69, 1.	2.6	5
6	XANES Study of Tribofilm Formation With Low Phosphorus Additive Mixtures of Phosphonium Ionic Liquid and Borate Ester. Frontiers in Mechanical Engineering, 2021, 7, .	1.8	3
7	Synthetic Lubricants Derived from Plastic Waste and their Tribological Performance. ChemSusChem, 2021, 14, 4181-4189.	6.8	25
8	Tribochemistry of fluorinated ZnO nanoparticles and ZDDP lubricated interface and implications for enhanced anti-wear performance at boundary lubricated contacts. Wear, 2021, 474-475, 203717.	3.1	15
9	The effect of different irrigation solutions and activation techniques on the expression of growth factors from dentine of extracted premolar teeth. International Endodontic Journal, 2021, 54, 1915-1924.	5.0	12
10	Achieving Ultralow Friction and Wear by Tribocatalysis: Enabled by <i>In-Operando</i> Formation of Nanocarbon Films. ACS Nano, 2021, 15, 18865-18879.	14.6	42
11	Effect of solvent use on postoperative pain in root canal retreatment: a randomized, controlled clinical trial. Clinical Oral Investigations, 2020, 24, 257-263.	3.0	8
12	Catalytically Active Oil-Based Lubricant Additives Enabled by Calcining Ni–Al Layered Double Hydroxides. Journal of Physical Chemistry Letters, 2020, 11, 113-120.	4.6	31
13	Tribochemical Conversion of Methane to Graphene and Other Carbon Nanostructures: Implications for Friction and Wear. ACS Applied Nano Materials, 2020, 3, 8060-8067.	5.0	32
14	Comparison of dentin penetration ability of different root canal sealers used with different obturation methods. Microscopy Research and Technique, 2020, 83, 1544-1551.	2.2	5
15	Comparison of Neurokinin A, Substance P, Interleukin 8, and Matrix Metalloproteinase-8 Changes in Pulp tissue and Gingival Crevicular Fluid Samples of Healthy and Symptomatic Irreversible Pulpitis Teeth. Journal of Endodontics, 2020, 46, 1428-1437.	3.1	19
16	Mechanism of Superlubricity Conversion with Polyalkylene Glycol Aqueous Solutions. Langmuir, 2019, 35, 11784-11790.	3.5	22
17	Ironâ€Nanoparticle Driven Tribochemistry Leading to Superlubric Sliding Interfaces. Advanced Materials Interfaces, 2019, 6, 1901416.	3.7	41
18	Interaction of plasma functionalized TiO2 nanoparticles and ZDDP on friction and wear under boundary lubrication. Applied Surface Science, 2019, 489, 372-383.	6.1	24

#	Article	IF	CITATIONS
19	Superlubricity of Polyalkylene Glycol Aqueous Solutions Enabled by Ultrathin Layered Double Hydroxide Nanosheets. ACS Applied Materials & Interfaces, 2019, 11, 20249-20256.	8.0	62
20	Antiwear Properties of Binary Ashless Blend of Phosphonium Ionic Liquids and Borate Esters in Partially Formulated Oil (No Zn). Tribology Letters, 2019, 67, 1.	2.6	13
21	The impact of tribology on energy use and CO2 emission globally and in combustion engine and electric cars. Tribology International, 2019, 135, 389-396.	5.9	335
22	Graphene - MoS2 ensembles to reduce friction and wear in DLC-Steel contacts. Carbon, 2019, 146, 524-527.	10.3	108
23	Tribology of two-dimensional materials: From mechanisms to modulating strategies. Materials Today, 2019, 26, 67-86.	14.2	250
24	Approaches for Achieving Superlubricity in Two-Dimensional Materials. ACS Nano, 2018, 12, 2122-2137.	14.6	364
25	Superlubricity: Friction's vanishing act. Physics Today, 2018, 71, 40-46.	0.3	73
26	Friction and Wear Reduction Mechanism of Polyalkylene Glycol-Based Engine Oils. Tribology Transactions, 2018, 61, 621-631.	2.0	10
27	High-Performance Heterocyclic Friction Modifiers for Boundary Lubrication. Tribology Letters, 2018, 66, 1.	2.6	14
28	Operando tribochemical formation of onion-like-carbon leads to macroscale superlubricity. Nature Communications, 2018, 9, 1164.	12.8	199
29	Superior wear resistance of diamond and DLC coatings. Current Opinion in Solid State and Materials Science, 2018, 22, 243-254.	11.5	105
30	Effect of several laser systems on removal of smear layer with a variety of irrigation solutions. Microscopy Research and Technique, 2018, 81, 1214-1222.	2.2	18
31	Acid Treatment of Diamond-Like Carbon Surfaces for Enhanced Adsorption of Friction Modifiers and Friction Performance. Tribology Letters, 2018, 66, 1.	2.6	8
32	Effect of the addition of Si into V2O5 coatings: Structure and tribo-mechanical properties. Surface and Coatings Technology, 2018, 349, 111-118.	4.8	10
33	Operando formation of an ultra-low friction boundary film from synthetic magnesium silicon hydroxide additive. Tribology International, 2017, 110, 35-40.	5.9	53
34	Investigation of Shear-Thinning Behavior on Film Thickness and Friction Coefficient of Polyalphaolefin Base Fluids With Varying Olefin Copolymer Content. Journal of Tribology, 2017, 139, .	1.9	5
35	Tribological performance of quaternary CrSiCN coatings under dry and lubricated conditions. Wear, 2017, 376-377, 1682-1690.	3.1	9
36	Global energy consumption due to friction and wear in the mining industry. Tribology International, 2017, 115, 116-139.	5.9	294

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37	Investigation of Nano-Mechanical and- Tribological Properties of Hydrogenated Diamond Like Carbon (DLC) Coatings. Journal of Mechanics, 2017, 33, 769-776.	1.4	14
38	Influence of tribology on global energy consumption, costs and emissions. Friction, 2017, 5, 263-284.	6.4	1,114
39	Tribological Behavior of NiAl-Layered Double Hydroxide Nanoplatelets as Oil-Based Lubricant Additives. ACS Applied Materials & Interfaces, 2017, 9, 30891-30899.	8.0	59
40	Plasma-Functionalized Polytetrafluoroethylene Nanoparticles for Improved Wear in Lubricated Contact. ACS Applied Materials & Interfaces, 2017, 9, 25631-25641.	8.0	28
41	Ultralow Friction of ZrO2 Ball Sliding against DLC Films under Various Environments. Applied Sciences (Switzerland), 2017, 7, 938.	2.5	15
42	Tribological Behavior of Oil-Lubricated Laser Textured Steel Surfaces in Conformal Flat and Non-Conformal Contacts. Materials Performance and Characterization, 2017, 6, MPC20160013.	0.3	7
43	Tribochemistry of Carbon Films in Oxygen and Humid Environments: Oxidative Wear and Galvanic Corrosion. Langmuir, 2016, 32, 1996-2004.	3.5	39
44	Influence of tribofilm on superlubricity of highly-hydrogenated amorphous carbon films in inert gaseous environments. Science China Technological Sciences, 2016, 59, 1795-1803.	4.0	20
45	Carbon-based tribofilms from lubricating oils. Nature, 2016, 536, 67-71.	27.8	370
46	Silane Treatment of Diamond-Like Carbon: Improvement of Hydrophobicity, Oleophobicity, and Humidity Tolerance of Friction. Tribology Letters, 2016, 63, 1.	2.6	2
47	Interaction of phosphonium ionic liquids with borate esters at tribological interfaces. RSC Advances, 2016, 6, 53148-53161.	3.6	21
48	Fatigue resistant carbon coatings for rolling/sliding contacts. Tribology International, 2016, 98, 172-178.	5.9	29
49	Energy Consumption Due to Friction in Motored Vehicles and Low-Friction Coatings to Reduce It. , 2015, , 1-23.		6
50	Effect of different irrigant activation protocols on push-out bond strength. Lasers in Medical Science, 2015, 30, 2143-2149.	2.1	31
51	Compositionally graded SiCu thin film anode by magnetron sputtering for lithium ion battery. Thin Solid Films, 2015, 596, 190-197.	1.8	15
52	Electrochemical boriding of molybdenum in molten borax. Surface Engineering, 2015, 31, 575-580.	2.2	9
53	Comparison of different irrigation activation techniques on smear layer removal: An in vitro study. Microscopy Research and Technique, 2015, 78, 230-239.	2.2	37
54	Surface Structure of Hydrogenated Diamond-like Carbon: Origin of Run-In Behavior Prior to Superlubricious Interfacial Shear. Langmuir, 2015, 31, 1711-1721.	3.5	61

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55	Macroscale superlubricity enabled by graphene nanoscroll formation. Science, 2015, 348, 1118-1122.	12.6	665
56	Synthesis and Tribology of Micro-Carbon Sphere Additives for Enhanced Lubrication. Tribology Transactions, 2015, 58, 474-480.	2.0	22
57	Nanoscale friction properties of graphene and graphene oxide. Diamond and Related Materials, 2015, 54, 91-96.	3.9	108
58	Superlubricity of the DLC films-related friction system at elevated temperature. RSC Advances, 2015, 5, 93147-93154.	3.6	55
59	An analytical study of tribofilms generated by the interaction of ashless antiwear additives with ZDDP using XANES and nano-indentation. Tribology International, 2015, 82, 43-57.	5.9	38
60	Graphene as a protective coating and superior lubricant for electrical contacts. Applied Physics Letters, 2014, 105, .	3.3	75
61	Structured SiCu thin films in LiB as anodes. Thin Solid Films, 2014, 572, 134-141.	1.8	11
62	Nano-texture for a wear-resistant and near-frictionless diamond-like carbon. Carbon, 2014, 73, 403-412.	10.3	38
63	Graphene: a new emerging lubricant. Materials Today, 2014, 17, 31-42.	14.2	1,115
64	Global energy consumption due to friction in trucks and buses. Tribology International, 2014, 78, 94-114.	5.9	340
65	Extraordinary Macroscale Wear Resistance of One Atom Thick Graphene Layer. Advanced Functional Materials, 2014, 24, 6640-6646.	14.9	251
66	Bipolar Tribocharging Signal During Friction Force Fluctuations at Metal–Insulator Interfaces. Angewandte Chemie - International Edition, 2014, 53, 12101-12105.	13.8	30
67	Effect of tribochemistry on lubricity of DLC films in hydrogen. Surface and Coatings Technology, 2014, 257, 241-246.	4.8	52
68	Achieving superlubricity in DLC films by controlling bulk, surface, and tribochemistry. Friction, 2014, 2, 140-155.	6.4	142
69	Guest editorial: Special issue on superlubricity. Friction, 2014, 2, 93-94.	6.4	4
70	Graphene: Extraordinary Macroscale Wear Resistance of One Atom Thick Graphene Layer (Adv. Funct.) Tj ETQqO	0 0 rgBT /	Overlock 10

71	Effect of microstructure and thickness on the friction and wear behavior of CrN coatings. Wear, 2013, 302, 963-971.	3.1	66
72	Evaluation of electrochemical boriding of Inconel 600. Surface and Coatings Technology, 2013, 215, 452-459.	4.8	60

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73	Effects of Nanoscale Surface Texture and Lubricant Molecular Structure on Boundary Lubrication in Liquid. Langmuir, 2013, 29, 13419-13426.	3.5	35
74	Extreme Pressure Lubricant Additives Interacting on the Surface of Steel- and Tungsten Carbide–Doped Diamond-Like Carbon. Tribology Transactions, 2013, 56, 623-629.	2.0	18
75	Tribological Performance of EP Lubricants with Phosphorus-Based Additives. Tribology Transactions, 2013, 56, 645-651.	2.0	23
76	Direct Observation of Tribochemically Assisted Wear on Diamond-Like Carbon Thin Films. Tribology Letters, 2013, 49, 351-356.	2.6	19
77	Material wear and fatigue in wind turbine Systems. Wear, 2013, 302, 1583-1591.	3.1	139
78	Reduced wear and friction enabled by graphene layers on sliding steel surfaces in dry nitrogen. Carbon, 2013, 59, 167-175.	10.3	417
79	Few layer graphene to reduce wear and friction on sliding steel surfaces. Carbon, 2013, 54, 454-459.	10.3	607
80	A Three-Dimensional Inverse Finite Element Analysis of the Heel Pad. Journal of Biomechanical Engineering, 2012, 134, 031002.	1.3	22
81	Friction reducing properties of onion-like carbon based lubricant under high contact pressure. Tribology - Materials, Surfaces and Interfaces, 2012, 6, 116-120.	1.4	19
82	Effect of surfactant on tribological performance and tribochemistry of boric acid based colloidal lubricants. Tribology - Materials, Surfaces and Interfaces, 2012, 6, 134-141.	1.4	14
83	Tribological Properties of Nanodiamond-Epoxy Composites. Tribology Letters, 2012, 47, 195-202.	2.6	72
84	Global energy consumption due to friction in passenger cars. Tribology International, 2012, 47, 221-234.	5.9	1,156
85	Fundamental understanding of the tribological and thermal behavior of Ag–MoS2 nanoparticle-based multi-component lubricating system. Wear, 2012, 288, 9-16.	3.1	77
86	Mandibular second premolar with four roots. European Journal of General Dentistry, 2012, 1, 54-57.	0.4	1
87	Quantification of sliding-induced phase transformation in N3FC diamond-like carbon films. Diamond and Related Materials, 2011, 20, 1143-1148.	3.9	19
88	Does chlorhexidine affect the shear bond strengths of orthodontic brackets?. Journal of Dental Sciences, 2011, 6, 76-81.	2.5	3
89	Understanding Run-In Behavior of Diamond-Like Carbon Friction and Preventing Diamond-Like Carbon Wear in Humid Air. Langmuir, 2011, 27, 12702-12708.	3.5	82
90	Comparison of hexahedral and tetrahedral elements in finite element analysis of the foot and footwear. Journal of Biomechanics, 2011, 44, 2337-2343.	2.1	132

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91	Effect of different light sources in combination with a light-transmitting post on the degree of conversion of resin composite at different depths of simulated root canals. Dental Traumatology, 2011, 27, 195-198.	2.0	8
92	The growth of single Fe2B phase on low carbon steel via phase homogenization in electrochemical boriding (PHEB). Surface and Coatings Technology, 2011, 206, 2005-2011.	4.8	70
93	Electrochemical boriding and characterization of AISI D2 tool steel. Thin Solid Films, 2011, 520, 1582-1588.	1.8	37
94	Ultra-fast boriding of nickel aluminide. Thin Solid Films, 2011, 520, 1575-1581.	1.8	25
95	Friction and wear behaviour of boron based surface treatment and nano-particle lubricant additives for wind turbine gearbox applications. Wear, 2011, 271, 1754-1760.	3.1	101
96	Friction and wear behavior of laser textured surface under lubricated initial point contact. Wear, 2011, 271, 1719-1725.	3.1	194
97	Is Ultra-Low Friction Needed to Prevent Wear of Diamond-Like Carbon (DLC)? An Alcohol Vapor Lubrication Study for Stainless Steel/DLC Interface. Tribology Letters, 2011, 42, 285-291.	2.6	32
98	Kinetics of electrochemical boriding of low carbon steel. Applied Surface Science, 2011, 257, 6928-6934.	6.1	88
99	Quantification of oxygenated species on a diamond-like carbon (DLC) surface. Applied Surface Science, 2011, 257, 7633-7638.	6.1	42
100	Development of ultrananocrystalline diamond (UNCD) coatings for multipurpose mechanical pump seals. Wear, 2011, 270, 325-331.	3.1	41
101	Analysis of plastic deformation in diamond like carbon films–steel substrate system with tribological tests. Thin Solid Films, 2011, 519, 3203-3212.	1.8	35
102	MEMS lubrication with alcohol vapour. Tribology - Materials, Surfaces and Interfaces, 2010, 4, 109-114.	1.4	0
103	Electrochemical boriding of titanium for improved mechanical properties. Surface and Coatings Technology, 2010, 204, 3935-3939.	4.8	74
104	The effects of three different desensitizing agents on the shear bond strength of composite resin bonding agents. Journal of the Mechanical Behavior of Biomedical Materials, 2010, 3, 399-404.	3.1	11
105	Concurrent musculoskeletal dynamics and finite element analysis predicts altered gait patterns to reduce foot tissue loading. Journal of Biomechanics, 2010, 43, 2810-2815.	2.1	65
106	Influence of process duration on structure and chemistry of borided low carbon steel. Surface and Coatings Technology, 2010, 205, 1578-1583.	4.8	32
107	In situ TEM studies of tribo-induced bonding modifications in near-frictionless carbon films. Carbon, 2010, 48, 587-591.	10.3	82
108	Effects of Different Curing Units and Luting Agents on Push-out Bond Strength of Translucent Posts. Journal of Endodontics, 2010, 36, 1521-1525.	3.1	42

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109	Nanocomposite Coatings for Severe Applications. , 2010, , 679-715.		11
110	On the possible role of triboplasma in friction and wear of diamond-like carbon films in hydrogen-containing environments. Journal Physics D: Applied Physics, 2009, 42, 075307.	2.8	47
111	Temperature and Water Vapor Pressure Effects on the Friction Coefficient of Hydrogenated Diamondlike Carbon Films. Journal of Tribology, 2009, 131, .	1.9	17
112	Micro-to-nano triboactivity of hydrogenated DLC films. Journal Physics D: Applied Physics, 2009, 42, 085307.	2.8	14
113	Effects of Different Chlorhexidine Formulations on Shear Bond Strengths of Orthodontic Brackets. Angle Orthodontist, 2009, 79, 312-316.	2.4	11
114	2008 ICMCTF preface. Thin Solid Films, 2008, 517, 1009-1010.	1.8	0
115	Effect of temporary filling materials on repair bond strengths of composite resins. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 86B, 303-309.	3.4	6
116	On the hydrogen lubrication mechanism(s) of DLC films: An imaging TOF-SIMS study. Surface and Coatings Technology, 2008, 203, 750-755.	4.8	57
117	TOF-SIMS and XPS characterization of diamond-like carbon films after tests in inert and oxidizing environments. Wear, 2008, 265, 244-254.	3.1	57
118	Comparative tribological behaviors of TiN, CrN and MoNCu nanocomposite coatings. Tribology International, 2008, 41, 49-59.	5.9	155
119	Tribological analysis of TiN and DLC coated contacts by 3D FEM modelling and stress simulation. Wear, 2008, 264, 877-884.	3.1	56
120	Accuracy of two electronic apex locators in primary teeth with and without apical resorption: a laboratory study. International Endodontic Journal, 2008, 41, 436-441.	5.0	32
121	New horizon in the tribology of diamondlike carbon films. Surface Engineering, 2008, 24, 399-401.	2.2	15
122	Carbon-hydrogen bonding in near-frictionless carbon. Applied Physics Letters, 2008, 93, .	3.3	11
123	Tribochemistry of Multiply Alkylated Cyclopentane Oils on Diamond-like Carbon (DLC) Coated Thrust Bearings. Journal of ASTM International, 2008, 5, 1-13.	0.2	1
124	Finite Element Modeling of the First Ray of the Foot: A Tool for the Design of Interventions. Journal of Biomechanical Engineering, 2007, 129, 750-756.	1.3	42
125	Complementary neutron and x-ray reflectivity studies of "near-frictionless―carbon films. Journal of Applied Physics, 2007, 101, 103538.	2.5	6
126	Complementary neutron and x-ray reflectivity studies of "near-frictionless―carbon films. Journal of Applied Physics, 2007, 101, 123516.	2.5	0

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127	Superlubricity in Diamondlike Carbon Films. , 2007, , 253-271.		19
128	Structural order in near-frictionless hydrogenated diamondlike carbon films probed at three length scales via transmission electron microscopy. Physical Review B, 2007, 75, .	3.2	44
129	Evaluation of DLC Coatings for Foil Bearing Applications. , 2007, , 5.		2
130	Evaluation of pH and calcium ion release of Acroseal sealer in comparison with Apexit and Sealapex sealers. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2007, 103, e86-e91.	1.4	36
131	Top-surface characterization of a near frictionless carbon film. Diamond and Related Materials, 2007, 16, 209-215.	3.9	39
132	Microfabrication issues in constructing freestanding membranes of near-frictionless carbon and diamond-like films. Diamond and Related Materials, 2007, 16, 342-349.	3.9	6
133	Surface analytical investigation of nearly-frictionless carbon films after tests in dry and humid nitrogen. Surface and Coatings Technology, 2007, 201, 7401-7407.	4.8	50
134	Effect of copper addition on the temperature dependent reciprocating wear behaviour of CrN coatings. Surface and Coatings Technology, 2007, 202, 866-870.	4.8	35
135	Mechanical and tribological properties of CrAlN-Ag self-lubricating films. Surface and Coatings Technology, 2007, 202, 1011-1016.	4.8	84
136	Investigation of Initial and Steady-State Sliding Behavior of a Nearly Frictionless Carbon Film by Imaging 2- and 3-D TOF-SIMS. Tribology Letters, 2007, 28, 241-249.	2.6	29
137	Performance Evaluation of Half-Wetted Hydrodynamic Bearings With DLC Coated Surfaces. , 2007, , .		1
138	Annealing effects on the mechanical properties of near-frictionless carbon thin films. Diamond and Related Materials, 2006, 15, 2051-2054.	3.9	13
139	The mechanical properties of freestanding near-frictionless carbon films relevant to MEMS. Journal of Micromechanics and Microengineering, 2006, 16, 1374-1381.	2.6	15
140	The Detection of Salivary Minerals in Smokers and Non-Smokers With Chronic Periodontitis by the Inductively Coupled Plasma-Atomic Emission Spectrophotometry Technique. Journal of Periodontology, 2006, 77, 990-995.	3.4	26
141	Assessment of antibacterial activity of EndoREZ. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2006, 102, 119-126.	1.4	39
142	Synthesis and Tribology of Carbide-Derived Carbon Films. International Journal of Applied Ceramic Technology, 2006, 3, 236-244.	2.1	20
143	Reinforcement effect of polyethylene fibre in root-filled teeth: comparison of two restoration techniques. International Endodontic Journal, 2006, 39, 136-142.	5.0	90
144	Title is missing!. Surface and Coatings Technology, 2006, 201, xv.	4.8	0

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145	Tribology of diamond-like carbon films: recent progress and future prospects. Journal Physics D: Applied Physics, 2006, 39, R311-R327.	2.8	1,003
146	Environmental effects on the friction of hydrogenated DLC films. Tribology Letters, 2006, 21, 51-56.	2.6	131
147	Friction Mechanisms and Fundamental Aspects in Solid Lubricant Coatings. , 2006, , 573-593.		5
148	Comparing the Young's Modulus of Near-Frictionless Carbon Films Obtained From Different Methods. Materials Research Society Symposia Proceedings, 2006, 956, 1.	0.1	0
149	Depth-dependent defect and residual stress distribution in magnetron sputtered MoN:Cu nanocomposite films by x-ray microdiffraction. Materials Research Society Symposia Proceedings, 2006, 977, 1.	0.1	1
150	Deposition, characterization, and tribological applications of near-frictionless carbon films on glass and ceramic substrates. Journal of Physics Condensed Matter, 2006, 18, S1751-S1762.	1.8	15
151	Tribology of Nanostructured and Composite Coatings. , 2006, , .		5
152	Si3N4/BN fibrous monoliths: Mechanical properties and tribological responses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 412, 146-152.	5.6	7
153	Review of engineered tribological interfaces for improved boundary lubrication. Tribology International, 2005, 38, 249-256.	5.9	456
154	Transfer of 319 Al alloy to titanium diboride and titanium nitride based (TiAlN, TiCN, TiN) coatings: effects of sliding speed, temperature and environment. Surface and Coatings Technology, 2005, 200, 2260-2270.	4.8	45
155	A crystal chemical approach to the formulation of self-lubricating nanocomposite coatings. Surface and Coatings Technology, 2005, 200, 1792-1796.	4.8	192
156	Orthodontic movement of a horizontally fractured tooth: a case report. Dental Traumatology, 2005, 21, 160-164.	2.0	20
157	Dry and oil-lubricated sliding wear of Si3N4 and Si3N4/BN fibrous monoliths. Tribology Letters, 2005, 18, 231-237.	2.6	15
158	The Tribological Properties of Low-friction Hydrogenated Diamond-like Carbon Measured in Ultrahigh Vacuum. Tribology Letters, 2005, 20, 221-227.	2.6	77
159	Nano-structured carbide-derived carbon films and their tribology. Tsinghua Science and Technology, 2005, 10, 699-703.	6.1	28
160	Relation of Certain Quantum Chemical Parameters to Lubrication Behavior of Solid Oxides. International Journal of Molecular Sciences, 2005, 6, 203-218.	4.1	47
161	A Gas-Surface Interaction Model for Spatial and Time-Dependent Friction Coefficient in Reciprocating Contacts: Applications to Near-Frictionless Carbon. Journal of Tribology, 2005, 127, 82-88.	1.9	26
162	The effect of laser surface texturing on transitions in lubrication regimes during unidirectional sliding contact. Tribology International, 2005, 38, 219-225.	5.9	497

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163	Effect of EDTA and Citric Acid Solutions on the Microhardness and the Roughness of Human Root Canal Dentin. Journal of Endodontics, 2005, 31, 107-110.	3.1	80
164	Effects of Endodontic Irrigation Solutions on Mineral Content of Root Canal Dentin Using ICP-AES Technique. Journal of Endodontics, 2005, 31, 187-189.	3.1	89
165	Shear Bond Strength of Three Resin Based Sealers to Dentin With and Without the Smear Layer. Journal of Endodontics, 2005, 31, 293-296.	3.1	80
166	Ultrananocrystalline Diamond Film as a Wear-Resistant and Protective Coating for Mechanical Seal Applications. Tribology Transactions, 2005, 48, 24-31.	2.0	82
167	Assessment of Amorphous Carbon Coating for Artificial Joints Application. Tribology Transactions, 2005, 48, 190-198.	2.0	7
168	Insights into "near-frictionless carbon films― Journal of Applied Physics, 2004, 95, 7765-7771.	2.5	40
169	Tribological Characterization of Carbide-Derived Carbon Layers on Silicon Carbide for Dry Friction Applications. Key Engineering Materials, 2004, 264-268, 465-468.	0.4	2
170	X-Ray Studies of Near-Frictionless Carbon Films Materials Research Society Symposia Proceedings, 2004, 843, 271.	0.1	3
171	Effect of the gutta-percha solvents on the microhardness and the roughness of human root dentine. Journal of Oral Rehabilitation, 2004, 31, 1145-1148.	3.0	9
172	Structure and tribological behaviour of nanoscale multilayer C/Cr coatings deposited by the combined steered cathodic arc/unbalanced magnetron sputtering technique. Thin Solid Films, 2004, 447-448, 7-13.	1.8	33
173	Solid Lubricant Coatings: Recent Developments and Future Trends. Tribology Letters, 2004, 17, 389-397.	2.6	311
174	Evaluation of DLC coatings for spark-ignited, direct-injected fuel systems. Surface and Coatings Technology, 2004, 179, 237-244.	4.8	23
175	Design criteria for superlubricity in carbon films and related microstructures. Tribology International, 2004, 37, 577-583.	5.9	86
176	Genesis of superlow friction and wear in diamondlike carbon films. Tribology International, 2004, 37, 1005-1012.	5.9	267
177	Friction and wear behavior of near-frictionless carbon coatings in formulated gasolines. Surface and Coatings Technology, 2004, 183, 111-117.	4.8	4
178	Effects of high-temperature hydrogenation treatment on sliding friction and wear behavior of carbide-derived carbon films. Surface and Coatings Technology, 2004, 188-189, 588-593.	4.8	46
179	The Effect of Laser Texturing of Steel Surfaces and Speed-Load Parameters on the Transition of Lubrication Regime from Boundary to Hydrodynamic. Tribology Transactions, 2004, 47, 299-307.	2.0	193
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