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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

251 papers	6,985 citations	41 h-index	73 g-index
255 ext. papers	8,096 ext. citations	5 avg, IF	6.24 L-index

#	Paper	IF	Citations
251	Room-temperature ionic liquids: a novel versatile lubricant. <i>Chemical Communications</i> , 2001 , 2244-5	5.8	738
250	Tribological Performance of Room-Temperature Ionic Liquids as Lubricant. <i>Tribology Letters</i> , 2002 , 13, 81-85	2.8	265
249	TiO ₂ Nanotubes with Tunable Morphology, Diameter, and Length: Synthesis and Photo-Electrical/Catalytic Performance. <i>Chemistry of Materials</i> , 2009 , 21, 1198-1206	9.6	218
248	Stable superhydrophobic coatings from thiol-ligand nanocrystals and their application in oil/water separation. <i>Journal of Materials Chemistry</i> , 2012 , 22, 9774		210
247	Extreme wettability and tunable adhesion: biomimicking beyond nature?. <i>Soft Matter</i> , 2012 , 8, 2070-2086	5.6	209
246	Polyethylene glycol functionalized dicationic ionic liquids with alkyl or polyfluoroalkyl substituents as high temperature lubricants. <i>Journal of Materials Chemistry</i> , 2006 , 16, 1529		205
245	Biomimetic polymeric superhydrophobic surfaces and nanostructures: from fabrication to applications. <i>Nanoscale</i> , 2017 , 9, 3338-3366	7.7	185
244	Biomimetic superoleophobic surfaces: focusing on their fabrication and applications. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1811-1827	13	180
243	Tribological behavior and lubricating mechanism of Cu nanoparticles in oil. <i>Tribology Letters</i> , 2000 , 8, 213-218	2.8	180
242	A Robust Epoxy Resins @ Stearic Acid-Mg(OH) ₂ Micronanosheet Superhydrophobic Omnipotent Protective Coating for Real-Life Applications. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16511-20	9.5	129
241	Tribological Properties of CaCO ₃ Nanoparticles as an Additive in Lithium Grease. <i>Tribology Letters</i> , 2011 , 41, 113-119	2.8	107
240	Biomimetic Multi-Functional Superamphiphobic FOTS-TiO Particles beyond Lotus Leaf. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 27188-27198	9.5	106
239	Electrostatic Self-Assembly of Au Nanoparticles onto Thermosensitive Magnetic Core-Shell Microgels for Thermally Tunable and Magnetically Recyclable Catalysis. <i>Small</i> , 2015 , 11, 2807-16	11	95
238	Ultraviolet Light-Induced Surface-Initiated Atom-Transfer Radical Polymerization.. <i>ACS Macro Letters</i> , 2013 , 2, 592-596	6.6	90
237	Remote Control over Underwater Dynamic Attachment/Detachment and Locomotion. <i>Advanced Materials</i> , 2018 , 30, e1801595	24	87
236	Ionic liquids from amino acids: fully green fluid lubricants for various surface contacts. <i>RSC Advances</i> , 2014 , 4, 19396	3.7	83
235	Synthesis of dicationic symmetrical and asymmetrical ionic liquids and their tribological properties as ultrathin films. <i>Tribology Letters</i> , 2007 , 25, 197-205	2.8	79

234	Ionic liquid lubricants: when chemistry meets tribology. <i>Chemical Society Reviews</i> , 2020 , 49, 7753-7818	58.5	75
233	High Strength Astringent Hydrogels Using Protein as the Building Block for Physically Cross-linked Multi-Network. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7593-7601	9.5	72
232	Alkyl Imidazolium Ionic Liquids as Friction Reduction and Anti-Wear Additive in Polyurea Grease for Steel/Steel Contacts. <i>Tribology Letters</i> , 2010 , 40, 215-224	2.8	72
231	Functional ionic gels formed by supramolecular assembly of a novel low molecular weight anticorrosive/antioxidative gelator. <i>Journal of Materials Chemistry</i> , 2011 , 21, 13399		62
230	Nanoporous Substrate-Infiltrated Hydrogels: a Bioinspired Regenerable Surface for High Load Bearing and Tunable Friction. <i>Advanced Functional Materials</i> , 2015 , 25, 7366-7374	15.6	61
229	Polyelectrolyte-grafted carbon nanotubes: Synthesis, reversible phase-transition behavior, and tribological properties as lubricant additives. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 7225-7237	2.5	61
228	Friction and Wear Studies of Octadecyltrichlorosilane SAM on Silicon. <i>Tribology Letters</i> , 2002 , 13, 233-239	2.8	61
227	Outmatching superhydrophobicity: bio-inspired re-entrant curvature for mighty superamphiphobicity in air. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14480-14507	13	57
226	The Tribochemical Study of Some N-Containing Heterocyclic Compounds as Lubricating Oil Additives. <i>Tribology Letters</i> , 2002 , 13, 87-93	2.8	57
225	Lubricating a bright future: Lubrication contribution to energy saving and low carbon emission. <i>Science China Technological Sciences</i> , 2013 , 56, 2888-2913	3.5	56
224	Paper-based triboelectric nanogenerators and their application in self-powered anticorrosion and antifouling. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 18022-18030	13	55
223	Biomimicking lubrication superior to fish skin using responsive hydrogels. <i>NPG Asia Materials</i> , 2014 , 6, e136-e136	10.3	50
222	Continuous Surface Polymerization via Fe(II)-Mediated Redox Reaction for Thick Hydrogel Coatings on Versatile Substrates. <i>Advanced Materials</i> , 2018 , 30, e1803371	24	49
221	A simple route to transform normal hydrophilic cloth into a superhydrophobic/superhydrophilic hybrid surface. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 7845-7852	13	48
220	Dramatically improved friction reduction and wear resistance by in situ formed ionic liquids. <i>RSC Advances</i> , 2012 , 2, 6824	3.7	48
219	Graphene oxide/Iron complex: synthesis, characterization and visible-light-driven photocatalysis. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 644-650	13	46
218	pH-responsive smart fabrics with controllable wettability in different surroundings. <i>RSC Advances</i> , 2014 , 4, 14684	3.7	45
217	Candle soot as a supercapacitor electrode material. <i>RSC Advances</i> , 2014 , 4, 2586-2589	3.7	45

216	Erosion Mechanism of MoS ₂ -Based Films Exposed to Atomic Oxygen Environments. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 12943-50	9.5	44
215	DOSSIBased QAILs: As Both Neat Lubricants and Lubricant Additives with Excellent Tribological Properties and Good Detergency. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 17952-17960	3.9	44
214	Structure characterization and conductive performance of polypyrrol-molybdenum disulfide intercalation materials. <i>Polymer Composites</i> , 2004 , 25, 111-117	3	44
213	Electrochemically Induced Surface-Initiated Atom-Transfer Radical Polymerization. <i>Angewandte Chemie</i> , 2012 , 124, 5182-5185	3.6	42
212	Gel phase originating from molecular quasi-crystallization and nanofiber growth of - system. <i>Soft Matter</i> , 2008 , 4, 1639-1644	3.6	42
211	Dual superlyophobic surfaces with superhydrophobicity and underwater superoleophobicity. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 11682-11687	13	42
210	Tribological properties of nano-calcium borate as lithium grease additive. <i>Lubrication Science</i> , 2014 , 26, 43-53	1.3	39
209	Surface Modification of Diamond-Like Carbon Film with Polymer Brushes Using a Bio-Inspired Catechol Anchor for Excellent Biological Lubrication. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1400035	4.6	38
208	The tribological behavior of micrometer and nanometer TiO ₂ particle-filled poly(phthalazine ether sulfone ketone) composites. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 906-914	2.9	37
207	MoS ₂ /WS ₂ Quantum Dots as High-Performance Lubricant Additive in Polyalkylene Glycol for Steel/Steel Contact at Elevated Temperature. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1700859	4.6	36
206	Candle Soot as Particular Lubricant Additives. <i>Tribology Letters</i> , 2014 , 53, 521-531	2.8	36
205	Supramolecular ionogel lubricants with imidazolium-based ionic liquids bearing the urea group as gelator. <i>Journal of Colloid and Interface Science</i> , 2017 , 487, 130-140	9.3	36
204	Tribochemistry and the development of AW and EP oil additives - a review. <i>Lubrication Science</i> , 1994 , 7, 81-92	1.3	36
203	An investigation of the friction and wear behaviors of polyphenylene sulfide filled with solid lubricants. <i>Polymer Engineering and Science</i> , 2000 , 40, 1825-1832	2.3	35
202	Superhydrophobic sand: a hope for desert water storage and transportation projects. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 6416-6423	13	34
201	Lithium-Based Ionic Liquids: In Situ-Formed Lubricant Additive Only by Blending. <i>Tribology Letters</i> , 2013 , 49, 127-133	2.8	34
200	Why so strong for the lotus leaf?. <i>Applied Physics Letters</i> , 2008 , 93, 201909	3.4	34
199	Mechanical synthesis of chemically bonded phosphorus-graphene hybrid as high-temperature lubricating oil additive.. <i>RSC Advances</i> , 2018 , 8, 4595-4603	3.7	33

198	Photo-regulated stick-slip switch of water droplet mobility. <i>Soft Matter</i> , 2011 , 7, 3331	3.6	32
197	Supramolecular Gel Lubricants Based on Amino Acid Derivative Gelators. <i>Tribology Letters</i> , 2016 , 61, 1	2.8	31
196	Tribological Behavior of Protic Ionic Liquids with Dodecylamine Salts of Dialkyldithiocarbamate as Additives in Lithium Complex Grease. <i>Tribology Letters</i> , 2012 , 48, 133-144	2.8	31
195	Tribological Property of Ni3Al Matrix Composites with Addition of BaMoO4. <i>Tribology Letters</i> , 2011 , 43, 55-63	2.8	31
194	Thermo-responsive hollow silica microgels with controlled drug release properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 111, 7-14	6	30
193	Surface Modification of MoS2 Nanosheets as Effective Lubricant Additives for Reducing Friction and Wear in Poly-β-lefin. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 8105-8114	3.9	30
192	Microstructure Evolution and Enhanced Tribological Properties of Cu-Doped WS2 Films. <i>Tribology Letters</i> , 2014 , 55, 1-13	2.8	29
191	A Nickel-Alloy-Based High-Temperature Self-Lubricating Composite with Simultaneously Superior Lubricity and High Strength. <i>Tribology Letters</i> , 2013 , 49, 573-577	2.8	29
190	NiAl Matrix High-Temperature Self-Lubricating Composite. <i>Tribology Letters</i> , 2011 , 41, 535-540	2.8	28
189	Air Cushion Convection Inhibiting Icing of Self-Cleaning Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 29169-29178	9.5	28
188	Effect of Fluoride Content on Friction and Wear Performance of Ni3Al Matrix High-Temperature Self-Lubricating Composites. <i>Tribology Letters</i> , 2011 , 43, 341-349	2.8	27
187	Electrolyte-modulated electrochemistry and electrocatalysis on ferrocene-terminated polyelectrolyte brushes. <i>Journal of Materials Chemistry</i> , 2009 , 19, 8129		27
186	Ibuprofen-Based Ionic Liquids as Additives for Enhancing the Lubricity and Antiwear of Water-Ethylene Glycol Liquid. <i>Tribology Letters</i> , 2017 , 65, 1	2.8	26
185	Superlow friction of titanium/silicon codoped hydrogenated amorphous carbon film in the ambient air. <i>Journal of Applied Physics</i> , 2010 , 108, 033510	2.5	26
184	Biobased Green Lubricants: Physicochemical, Tribological and Toxicological Properties of Fatty Acid Ionic Liquids. <i>Tribology Transactions</i> , 2018 , 61, 195-206	1.8	25
183	Highlighting the Effect of Interfacial Interaction on Tribological Properties of Supramolecular Gel Lubricants. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500489	4.6	25
182	Facile Fabrication of Superhydrophobic and Underwater Superoleophobic Coatings. <i>ACS Applied Nano Materials</i> , 2018 , 1, 4894-4899	5.6	25
181	The Tribological Behavior of a Ti-46Al-2Cr-2Nb Alloy Under Liquid Paraffine Lubrication. <i>Tribology Letters</i> , 2012 , 46, 233-241	2.8	25

- 180 A novel way to prepare ultra-thin polymer films through surface radical chain-transfer reaction. *Chemical Communications*, **2001**, 2446-7 5.8 25
- 179 Oil-soluble ionic liquids as antiwear and extreme pressure additives in poly-β-blefin for steel/steel contacts. *Friction*, **2019**, 7, 18-31 5.6 25
- 178 Preparation and characterization of polystyrene grafted nano-sized silica. *Materials Research Innovations*, **2003**, 7, 105-109 1.9 24
- 177 Organic Media Superwettability: On-Demand Liquid Separation by Controlling Surface Chemistry. *ACS Applied Materials & Interfaces*, **2018**, 10, 37634-37642 9.5 24
- 176 pH-Manipulated Underwater-Oil Adhesion Wettability Behavior on the Micro/Nanoscale Semicircular Structure and Related Thermodynamic Analysis. *ACS Applied Materials & Interfaces*, **2015**, 7, 10641-9 9.5 23
- 175 Task-Specific Oil-Miscible Ionic Liquids Lubricate Steel/Light Metal Alloy: A Tribochemistry Study. *Advanced Materials Interfaces*, **2018**, 5, 1800791 4.6 22
- 174 Dry-Sliding Tribological Properties of TiAl/Ti2AlC Composites. *Tribology Letters*, **2014**, 53, 457-467 2.8 22
- 173 Lithium-based ionic liquids as novel lubricant additives for multiply alkylated cyclopentanes (MACs). *Friction*, **2013**, 1, 222-231 5.6 22
- 172 Physicochemistry aspects on frictional interfaces. *Friction*, **2017**, 5, 361-382 5.6 22
- 171 Polymer brush stabilized amorphous MnO2 on graphene oxide sheets as novel electrode materials for high performance supercapacitors. *Journal of Materials Chemistry A*, **2013**, 1, 8587 13 22
- 170 Functionalization of multiwalled carbon nanotube via surface reversible addition fragmentation chain transfer polymerization and as lubricant additives. *Journal of Polymer Science Part A*, **2008**, 46, 3014-3023 2.5 22
- 169 Characterization and Tribological Investigation of Sol-Gel Titania and Doped Titania Thin Films. *Journal of the American Ceramic Society*, **2004**, 85, 1770-1776 3.8 22
- 168 Fabrication of Asymmetric Tubular Hydrogels through Polymerization-Assisted Welding for Thermal Flow Actuated Artificial Muscles. *Chemistry of Materials*, **2019**, 31, 4469-4478 9.6 21
- 167 WS2-filled hybrid PTFE/Nomex fabric composites with improved antiwear property. *Journal of Materials Science*, **2015**, 50, 1065-1070 4.3 21
- 166 Influence of lubricant filling on the dry sliding wear behaviors of hybrid PTFE/Nomex fabric composite. *Journal of Materials Science*, **2014**, 49, 3716-3724 4.3 21
- 165 Ni3Al Matrix Composite with Lubricious Tungstate at High Temperatures. *Tribology Letters*, **2012**, 45, 251-255 2.8 21
- 164 Surface-initiated atom transfer radical polymerization (ATRP) of styrene from silica nanoparticles under UV irradiation. *Polymer International*, **2004**, 53, 127-130 3.3 21
- 163 Computational investigation of the lubrication behaviors of dioxides and disulfides of molybdenum and tungsten in vacuum. *Friction*, **2017**, 5, 23-31 5.6 20

162	Tribological Study of Boron-Containing Soybean Lecithin as Environmentally Friendly Lubricant Additive in Synthetic Base Fluids. <i>Tribology Letters</i> , 2012 , 47, 381-388	2.8	20
161	Anisotropic wetting properties on various shape of parallel grooved microstructure. <i>Journal of Colloid and Interface Science</i> , 2015 , 453, 142-150	9.3	19
160	Dry-sliding Tribological Properties of Nano-Eutectic Fe ₈₃ B ₁₇ Alloy. <i>Tribology Letters</i> , 2009 , 34, 185-191	2.8	19
159	Characterization and Investigation of the Tribological Properties of Sol-Gel Zirconia Thin Films. <i>Journal of the American Ceramic Society</i> , 2002 , 85, 2367-2369	3.8	19
158	Fabrication of PTFE/Nomex fabric/phenolic composites using a layer-by-layer self-assembly method for tribology field application. <i>Friction</i> , 2020 , 8, 335-342	5.6	19
157	Investigating the tribological performance of nanosized MoS ₂ on graphene dispersion in perfluoropolyether under high vacuum. <i>RSC Advances</i> , 2016 , 6, 98606-98610	3.7	18
156	In situ preparation of anti-corrosion ionic liquids as the lubricant additives in multiply-alkylated cyclopentanes. <i>RSC Advances</i> , 2013 , 3, 21715	3.7	18
155	A NOVEL SYNTHESIS OF HEXASUBSTITUTED CYCLOTRIPHOSPHAZENES. <i>Synthetic Communications</i> , 2002 , 32, 203-209	1.7	18
154	Tribological properties of micron silicon carbide filled poly(ether ether ketone). <i>Journal of Applied Polymer Science</i> , 1999 , 74, 2611-2615	2.9	18
153	Gecko-Inspired Self-Peeling Switchable Dry/Wet Adhesive. <i>Chemistry of Materials</i> , 2021 , 33, 2785-2795	7.05	18
152	Investigation of Electrical Contact Resistance of Ag Nanoparticles as Additives Added to PEG 300. <i>Tribology Transactions</i> , 2009 , 52, 157-164	1.8	17
151	Tribological behavior of WS ₂ -based solid/liquid lubricating systems dominated by the surface properties of WS ₂ crystallographic planes. <i>RSC Advances</i> , 2015 , 5, 64892-64901	3.7	16
150	Photothermally actuated interfacial hydration for fast friction switch on hydrophilic polymer brush modified PDMS sheet incorporated with Fe ₃ O ₄ nanoparticles. <i>Chemical Communications</i> , 2016 , 52, 3681-3683	5.8	16
149	Tribological properties of P- and N-containing organic compounds as potential extreme-pressure and antiwear additives. <i>Lubrication Science</i> , 2003 , 15, 173-183	1.3	16
148	Tribological behavior of micrometer- and nanometer-Al ₂ O ₃ -particle-filled poly(phthalazine ether sulfone ketone) copolymer composites used as frictional materials. <i>Journal of Applied Polymer Science</i> , 2005 , 95, 993-1001	2.9	16
147	An Investigation on the Friction and Wear Properties of Perfluorooctane Sulfonate Ionic Liquids. <i>Tribology Letters</i> , 2016 , 63, 1	2.8	16
146	Sliding wear behaviors of Nomex fabric/phenolic composite under dry and water-bathed sliding conditions. <i>Friction</i> , 2014 , 2, 264-271	5.6	15
145	Preparation of Comb-like Styrene Grafted Silica Nanoparticles. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2004 , 41, 1001-1010	2.2	15

144	Growth and characteristics of self-assembled MoS ₂ /Mo-S-C nanoperiod multilayers for enhanced tribological performance. <i>Scientific Reports</i> , 2016 , 6, 25378	4.9	15
143	Fluorinated Candle Soot as the Lubricant Additive of Perfluoropolyether. <i>Tribology Letters</i> , 2017 , 65, 1	2.8	14
142	Preparation of High-Temperature Lubricants by Blending Castor Oil with Lithium Bis(trifluoromethylsulfonyl)imide. <i>Tribology Letters</i> , 2017 , 65, 1	2.8	14
141	Effects of Ti and Cu on the Microstructure Evolution of AlCoCrFeNi High-Entropy Alloy During Heat Treatment. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020 , 33, 1077-1090	2.5	14
140	Electrochemical Characterization of the Solution Accessibility of CaTiO ₃ Microstructures and Improved Biomineralization. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 16123-16129	3.8	14
139	Preparation and characterization of gold/poly(vinyl alcohol)/MoS ₂ intercalation nanocomposite. <i>Journal of Materials Science: Materials in Electronics</i> , 2004 , 15, 435-438	2.1	14
138	Effect of radiation on the friction-wear properties of polyetherketone with a cardo group. <i>Journal of Applied Polymer Science</i> , 2001 , 82, 962-967	2.9	14
137	Bioinspired Edible Lubricant-Infused Surface with Liquid Residue Reduction Properties. <i>Research</i> , 2019 , 2019, 1649427	7.8	14
136	Microstructure, Mechanical Properties and Dry Sliding Wear Behavior of Cu-Al ₂ O ₃ -Graphite Solid-Lubricating Coatings Deposited by Low-Pressure Cold Spraying. <i>Journal of Thermal Spray Technology</i> , 2018 , 27, 1652-1663	2.5	14
135	Tribological properties of naphthyl phenyl diphosphates as antiwear additive in polyalkylene glycol and polyurea grease for steel/steel contacts at elevated temperature. <i>RSC Advances</i> , 2014 , 4, 6074	3.7	13
134	Tribological properties of SiO ₂ nanoparticle filled phthalazine ether sulfone/phthalazine ether ketone (50/50 mol %) copolymer composites. <i>Journal of Applied Polymer Science</i> , 2002 , 85, 2136-2144	2.9	13
133	THE RESEARCH AND APPLICATION OF COLLOID AS LUBRICANTS. <i>Journal of Dispersion Science and Technology</i> , 2000 , 21, 469-490	1.5	13
132	Study on the structure of PbS nanoparticles coated with dialkyldithiophosphate. <i>Journal of Materials Research</i> , 1999 , 14, 2147-2151	2.5	13
131	Sundew-Inspired Simultaneous Actuation and Adhesion/Friction Control for Reversibly Capturing Objects Underwater. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800467	6.8	13
130	Al-Doped Ga-Based Liquid Metal: Modification Strategy and Controllable High-Temperature Lubricity through Frictional Interface Regulation. <i>Langmuir</i> , 2019 , 35, 6905-6915	4	12
129	An all superantwetted surface in water-air systems. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 6957-6962	6.2	12
128	Effect of Counterface on the Tribological Behavior of Ti ₃ AlC ₂ at Ambient. <i>Tribology Letters</i> , 2014 , 53, 311-317	2.8	12
127	Effects of bias voltage on structure and properties of TiAl-doped a-C:H films prepared by magnetron sputtering. <i>Surface and Interface Analysis</i> , 2011 , 43, 677-682	1.5	12

126	Preparation of silane-terminated polystyrene and polymethylmethacrylate self-assembled films on silicon wafer. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 1695-1701	2.9	12
125	Effect of Electric Potential and Chain Length on Tribological Performances of Ionic Liquids as Additives for Aqueous Systems and Molecular Dynamics Simulations. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 39910-39919	9.5	12
124	High Temperature Wear Behaviors of TiAl ₃ /TiB ₂ Composites. <i>Tribology Letters</i> , 2017 , 65, 1	2.8	11
123	Soft-nanocomposite lubricants of supramolecular gel with carbon nanotubes. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 7654-7663	13	11
122	Tribological Behavior of Ti ₃ AlC ₂ Against SiC at Ambient and Elevated Temperatures. <i>Tribology Letters</i> , 2013 , 50, 323-330	2.8	11
121	A study of P ₄ N ₆ compound as multifunctional lubricant additive. <i>Lubrication Science</i> , 2011 , 23, 363-373	1.3	11
120	Formation mechanism of robust silver nanoparticle film with superhydrophobicity. <i>Applied Physics Letters</i> , 2010 , 97, 243701	3.4	11
119	Preparation of superior lubricious amorphous carbon films co-doped by silicon and aluminum. <i>Journal of Applied Physics</i> , 2011 , 110, 053507	2.5	11
118	The tribochemical performance of nano/micrometre borate modified by an N-containing compound as an oil additive. <i>Lubrication Science</i> , 2003 , 15, 369-379	1.3	11
117	Action of transfer film in improving friction and wear behaviors of iron- and copper-filled poly(ether ether ketone) composites. <i>Journal of Applied Polymer Science</i> , 2000 , 76, 179-184	2.9	11
116	Significant advantages of low-oxygen graphene nanosheets. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9738-9744	13	10
115	Effect of Normal Loads on Tribological Properties of Bronze-Graphite Composite under Seawater Condition. <i>Tribology Transactions</i> , 2014 , 57, 308-316	1.8	10
114	Superoleophobicity under vacuum. <i>Applied Physics Letters</i> , 2011 , 98, 194102	3.4	10
113	Stable Biomimetic Super-Hydrophobic Copper Surface Fabricated by a Simple Wet-Chemical Method. <i>Journal of Dispersion Science and Technology</i> , 2010 , 31, 488-491	1.5	10
112	Tribological behavior of Kevlar fabric composites filled with nanoparticles. <i>Journal of Applied Polymer Science</i> , 2009 , 111, 2419-2425	2.9	10
111	Influence of methane flow on the microstructure and properties of TiAl-doped a-C:H films deposited by middle frequency reactive magnetron sputtering. <i>Surface and Interface Analysis</i> , 2009 , 41, 924-930	1.5	10
110	Tribological properties of PTFE-filled PMIA. <i>Journal of Applied Polymer Science</i> , 1999 , 74, 747-751	2.9	10
109	STUDY OF LYOTROPIC LIQUID CRYSTAL IN LUBRICATION ON ALUMINUM ALLOY SURFACES. <i>Journal of Dispersion Science and Technology</i> , 1999 , 20, 1025-1030	1.5	10

108	MoS ₂ /TiO ₂ Nanocomposite Films for Solid-State Lubrication. <i>ACS Applied Nano Materials</i> , 2019 , 2, 1302-1313	3.6	10
107	Graphene Oxide-Grafted Hybrid-Fabric Composites with Simultaneously Improved Mechanical and Tribological Properties. <i>Tribology Letters</i> , 2018 , 66, 1	2.8	9
106	Growth of Mo ₂ C nanoparticles on graphene as lubricant filler for high tribological performances of fabric self-lubricating liner composites. <i>RSC Advances</i> , 2016 , 6, 110070-110076	3.7	9
105	Tribological behaviour of protic ionic liquids with ammonium salts modified LABSA as lubricants and additives. <i>Lubrication Science</i> , 2013 , 25, 217-230	1.3	9
104	Preparation and tribological investigation of thin silicone films. <i>Journal of Materials Research</i> , 2002 , 17, 2357-2362	2.5	9
103	Effect of amines on the antiwear properties of P-containing compounds as oil additives. <i>Lubrication Science</i> , 1994 , 6, 283-290	1.3	9
102	Low-Pressure Cold Spraying of Copper/Graphite Solid Lubricating Coatings on Aluminum Alloy 7075-T651. <i>Journal of Thermal Spray Technology</i> , 2019 , 28, 1688-1698	2.5	8
101	Dry-Sliding Tribological Properties of Cu/AlMgB ₁₄ Composites. <i>Tribology Letters</i> , 2014 , 55, 35-44	2.8	8
100	Tribological performance of fatty acid modification of sol-gel TiO ₂ coating. <i>Journal of Sol-Gel Science and Technology</i> , 2012 , 61, 558-564	2.3	8
99	Tribological Behaviors of Hybrid PTFE/Nomex Fabric/Phenolic Composite under Dry and Water-Bathed Sliding Conditions. <i>Tribology Transactions</i> , 2014 , 57, 1116-1121	1.8	8
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