Weimin Liu

List of Publications by Year in Descending Order

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	Supramolecular assembly inspired molecular engineering to dynamically tune non-Newtonian fluid:from quasi-static flowability-free to shear thickening. *Journal of Colloid and Interface Science*, **2022**, 607, 1805-1812	9.3	
250	Design of a Venation-like Patterned Surface with Hybrid Wettability for Highly Efficient Fog Harvesting.. *Nano Letters*, **2022**,	11.5	3
249	Icephobic/anti-icing properties of superhydrophobic surfaces.. *Advances in Colloid and Interface Science*, **2022**, 304, 102658	14.3	3
248	MoS Lubricating Film Meets Supramolecular Gel: A Novel Composite Lubricating System for Space Applications. *ACS Applied Materials & Interfaces*, **2021**, 13, 58036-58047	9.5	3
247	Fog collection behavior of bionic surface and large fog collector: A review.. *Advances in Colloid and Interface Science*, **2021**, 300, 102583	14.3	4
246	Green plant-based triboelectricity system for green energy harvesting and contact warning. *EcoMat* , **2021**, 3, e12145	9.4	3
245	Janus Membranes with Asymmetric Wettability Applied in Oil/Water Emulsion Separations. *Advanced Sustainable Systems*, **2021**, 5, 2000253	5.9	6
244	MoS Nanocomposite Films with High Irradiation Tolerance and Self-Adaptive Lubrication. *ACS Applied Materials & Interfaces*, **2021**, 13, 20435-20447	9.5	0
243	Enhanced high-temperature tribological performance of PTFE/PI fabric composites by simultaneously introducing PDA/SiO2 hybrid coating and aramid product reinforcements. *Polymer Composites*, **2021**, 42, 3539-3549	3	2
242	Gecko□ Feet-Inspired Self-Peeling Switchable Dry/Wet Adhesive. *Chemistry of Materials*, **2021**, 33, 2785-2795	9.9	18
241	Concealed Wireless Warning Sensor Based on Triboelectrification and Human-Plant Interactive Induction. *Research*, **2021**, 2021, 9870936	7.8	7
240	Ester Oils Prepared from Fully Renewable Resources and Their Lubricant Base Oil Properties. *ACS Omega*, **2021**, 6, 16343-16355	3.9	1
239	Near-Infrared Photothermal Microgel for Interfacial Friction Control. *ACS Applied Polymer Materials*, **2021**, 3, 4055-4061	4.3	2
238	Physicochemical and tribological properties of gemini-type halogen-free dicationic ionic liquids. *Friction*, **2021**, 9, 344-355	5.6	6
237	Is superhydrophobicity equal to underwater superoleophilicity? Hydrophilic wetting defects on a superhydrophobic matrix with switchable superdewetting in both air and water. *Journal of Materials Chemistry A*, **2021**, 9, 1471-1479	13	7
236	Durable mixed edible wax coating with stretching superhydrophobicity. *Journal of Materials Chemistry A*, **2021**, 9, 1495-1499	13	8
235	Combined effects of interface modification and micro-filler reinforcements on the thermal and tribological performances of fabric composites. *Friction*, **2021**, 9, 1110-1126	5.6	6

234	Investigation of tribological characteristics of nickel alloy-based solid-lubricating composites at elevated temperatures under vacuum. *Friction*, **2021**, 9, 990-1001	5.6	5
233	Cellulose acetate/fiber paper composite membrane for separation of an oil-in-water emulsion. *New Journal of Chemistry*, **2021**, 45, 12351-12355	3.6	5
232	Adhesion behaviors on four special wettable surfaces: natural sources, mechanisms, fabrications and applications. *Soft Matter*, **2021**, 17, 4895-4928	3.6	8
231	Superamphiphobic coatings with antifouling and nonflammable properties using functionalized hydroxyapatite. *New Journal of Chemistry*, **2021**, 45, 6238-6246	3.6	1
230	A robust surface with superhydrophobicity and underwater superoleophobicity for on-demand oil/water separation. *Nanoscale*, **2021**, 13, 15334-15342	7.7	8
229	Fabrication of bioinspired edible liquid marble with phase transition and tunable water barrier property. *Bio-Design and Manufacturing*, **2021**, 4, 1-13	4.7	3
228	Controllably Doping Nitrogen into 1T/2H MoS Heterostructure Nanosheets for Enhanced Supercapacitive and Electrocatalytic Performance by Low-Power N Plasma. *ACS Applied Materials & Interfaces*, **2021**, 13, 44427-44439	9.5	7
227	External-field-induced directional droplet transport: A review. *Advances in Colloid and Interface Science*, **2021**, 295, 102502	14.3	4
226	Simple Method for the Fabrication of Multiple Superwetting Surfaces with Photoresponse. *Langmuir*, **2021**, 37, 11115-11122	4	0
225	A combined structural and wettability gradient surface for directional droplet transport and efficient fog collection. *Journal of Colloid and Interface Science*, **2021**, 604, 526-536	9.3	8
224	Self-ion irradiation on hydrogenated amorphous carbon films at depth of adhesion interlayer: Radiation-induced atomic intermixing and degraded film properties. *Surface and Interface Analysis*, **2020**, 52, 553-568	1.5	4
223	Effects of Ti and Cu on the Microstructure Evolution of AlCoCrFeNi High-Entropy Alloy During Heat Treatment. *Acta Metallurgica Sinica (English Letters)*, **2020**, 33, 1077-1090	2.5	14
222	Dependence of Friction and Wear on the Microstructures of WS Films under a Simulated Space Environment. *ACS Applied Materials & Interfaces*, **2020**, 12, 56632-56641	9.5	3
221	Ionic liquid lubricants: when chemistry meets tribology. *Chemical Society Reviews*, **2020**, 49, 7753-7818	58.5	75
220	Significantly Reducing Friction and Wear of Water-Based Fluids with Shear Thinning Bicomponent Supramolecular Hydrogels. *Advanced Materials Interfaces*, **2020**, 7, 2001084	4.6	4
219	Effect of Electric Potential and Chain Length on Tribological Performances of Ionic Liquids as Additives for Aqueous Systems and Molecular Dynamics Simulations. *ACS Applied Materials & Interfaces*, **2020**, 12, 39910-39919	9.5	12
218	Nano-Twisted Double Helix Carbon Debris Improves the Wear Resistance of Ultra-Thick Diamond-Like Carbon Coatings. *Advanced Materials Interfaces*, **2020**, 7, 2000857	4.6	5
217	Facile Preparation and Tribological Properties of Water-Based Naphthalene Dicarboxylate Ionic Liquid Lubricating Additives. *Tribology Letters*, **2020**, 68, 1	2.8	8

216	Fabrication of PTFE/Nomex fabric/phenolic composites using a layer-by-layer self-assembly method for tribology field application. *Friction*, **2020**, 8, 335-342	5.6	19
215	Low-Pressure Cold Spraying of Copper–Graphite Solid Lubricating Coatings on Aluminum Alloy 7075-T651. *Journal of Thermal Spray Technology*, **2019**, 28, 1688-1698	2.5	8
214	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
213	Al-Doped Ga-Based Liquid Metal: Modification Strategy and Controllable High-Temperature Lubricity through Frictional Interface Regulation. *Langmuir*, **2019**, 35, 6905-6915	4	12
212	Effect of Electric Field on the Lubricating Performance of Ga-Based Liquid Metal. *Advanced Materials Interfaces*, **2019**, 6, 1900028	4.6	5
211	Soft-nanocomposite lubricants of supramolecular gel with carbon nanotubes. *Journal of Materials Chemistry A*, **2019**, 7, 7654-7663	13	11
210	An all superantiwetting surface in water–oil–air systems. *Journal of Materials Chemistry A*, **2019**, 7, 6957-6962	13	12
209	Bioinspired Edible Lubricant-Infused Surface with Liquid Residue Reduction Properties. *Research*, **2019**, 2019, 1649427	7.8	14
208	Cognitive features of white matter lesions accompanied by different risk factors of cerebrovascular diseases. *Advances in Clinical and Experimental Medicine*, **2019**, 28, 1705-1710	1.8	1
207	Elastic Lubricious Effect of Solidlike Boundary Films in Oil-Starvation Lubrication. *Journal of Physical Chemistry C*, **2019**, 123, 1677-1691	3.8	3
206	Temperature-driven wear behavior of Si3N4-based ceramic reinforced by in situ formed TiC0.3N0.7 particles. *Journal of the American Ceramic Society*, **2019**, 102, 4333-4343	3.8	7
205	Combined effects of interface modification and nano-reinforcement via nano-enhanced interphase in hybrid-fabric composites for tribological applications. *Polymer Composites*, **2019**, 40, 3383-3392	3	1
204	MoS–Ti Nanocomposite Films for Solid-State Lubrication. *ACS Applied Nano Materials*, **2019**, 2, 1302-1312	5.6	10
203	Sundew-Inspired Simultaneous Actuation and Adhesion/Friction Control for Reversibly Capturing Objects Underwater. *Advanced Materials Technologies*, **2019**, 4, 1800467	6.8	13
202	Oil-soluble ionic liquids as antiwear and extreme pressure additives in poly-α-olefin for steel/steel contacts. *Friction*, **2019**, 7, 18-31	5.6	25
201	MoS2/WS2 Quantum Dots as High-Performance Lubricant Additive in Polyalkylene Glycol for Steel/Steel Contact at Elevated Temperature. *Advanced Materials Interfaces*, **2018**, 5, 1700859	4.6	36
200	Mechanical synthesis of chemically bonded phosphorus-graphene hybrid as high-temperature lubricating oil additive.. *RSC Advances*, **2018**, 8, 4595-4603	3.7	33
199	Graphene Oxide-Grafted Hybrid-Fabric Composites with Simultaneously Improved Mechanical and Tribological Properties. *Tribology Letters*, **2018**, 66, 1	2.8	9

198	Biobased Green Lubricants: Physicochemical, Tribological and Toxicological Properties of Fatty Acid Ionic Liquids. *Tribology Transactions*, **2018**, 61, 195-206	1.8	25
197	In situ formed ionic liquids in lard oil as high-performance lubricants for steel/steel contacts at elevated temperature. *Lubrication Science*, **2018**, 30, 65-72	1.3	3
196	High Strength Astringent Hydrogels Using Protein as the Building Block for Physically Cross-linked Multi-Network. *ACS Applied Materials & Interfaces*, **2018**, 10, 7593-7601	9.5	72
195	Adhesives: Remote Control over Underwater Dynamic Attachment/Detachment and Locomotion (Adv. Mater. 30/2018). *Advanced Materials*, **2018**, 30, 1870222	24	1
194	Task-Specific Oil-Miscible Ionic Liquids Lubricate Steel/Light Metal Alloy: A Tribochemistry Study. *Advanced Materials Interfaces*, **2018**, 5, 1800791	4.6	22
193	Influence of Silicate Concentration in Electrolyte on the Growth and Performance of Plasma Electrolytic Oxidation Coatings Prepared on Low Carbon Steel. *Journal of Materials Engineering and Performance*, **2018**, 27, 2345-2353	1.6	5
192	Facile Fabrication of Superhydrophobic and Underwater Superoleophobic Coatings. *ACS Applied Nano Materials*, **2018**, 1, 4894-4899	5.6	25
191	Remote Control over Underwater Dynamic Attachment/Detachment and Locomotion. *Advanced Materials*, **2018**, 30, e1801595	24	87
190	Physicochemical and Tribological Performance of Bi-Component Supramolecular Gel Lubricants. *Advanced Materials Interfaces*, **2018**, 6, 1801391	4.6	8
189	Organic Media Superwettability: On-Demand Liquid Separation by Controlling Surface Chemistry. *ACS Applied Materials & Interfaces*, **2018**, 10, 37634-37642	9.5	24
188	Self-Constraint Gel Lubricants with High Phase Transition Temperature. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 15801-15810	8.3	7
187	Continuous Surface Polymerization via Fe(II)-Mediated Redox Reaction for Thick Hydrogel Coatings on Versatile Substrates. *Advanced Materials*, **2018**, 30, e1803371	24	49
186	Microstructure, Mechanical Properties and Dry Sliding Wear Behavior of Cu-Al2O3-Graphite Solid-Lubricating Coatings Deposited by Low-Pressure Cold Spraying. *Journal of Thermal Spray Technology*, **2018**, 27, 1652-1663	2.5	14
185	Promoting Lubricity and Antifouling Properties by Supramolecular-Recognition-Based Surface Grafting. *Langmuir*, **2018**, 34, 13116-13122	4	4
184	Surface Modification of MoS2 Nanosheets as Effective Lubricant Additives for Reducing Friction and Wear in Poly-□olefin. *Industrial & Engineering Chemistry Research*, **2018**, 57, 8105-8114	3.9	30
183	Dual superlyophobic surfaces with superhydrophobicity and underwater superoleophobicity. *Journal of Materials Chemistry A*, **2018**, 6, 11682-11687	13	42
182	High-Temperature Tribological Behavior of Al-20Si-5Fe-2Ni/ZrB2 Composites. *Tribology Transactions*, **2018**, 61, 1107-1116	1.8	6
181	Fluorinated Candle Soot as the Lubricant Additive of Perfluoropolyether. *Tribology Letters*, **2017**, 65, 1	2.8	14

180	Superhydrophobic sand: a hope for desert water storage and transportation projects. *Journal of Materials Chemistry A*, **2017**, 5, 6416-6423	13	34
179	Biomimetic polymeric superhydrophobic surfaces and nanostructures: from fabrication to applications. *Nanoscale*, **2017**, 9, 3338-3366	7.7	185
178	Outmatching superhydrophobicity: bio-inspired re-entrant curvature for mighty superamphiphobicity in air. *Journal of Materials Chemistry A*, **2017**, 5, 14480-14507	13	57
177	Computational investigation of the lubrication behaviors of dioxides and disulfides of molybdenum and tungsten in vacuum. *Friction*, **2017**, 5, 23-31	5.6	20
176	Preparation of High-Temperature Lubricants by Blending Castor Oil with Lithium Bis(trifluoromethylsulfonyl)imide. *Tribology Letters*, **2017**, 65, 1	2.8	14
175	Ibuprofen-Based Ionic Liquids as Additives for Enhancing the Lubricity and Antiwear of Water–Ethylene Glycol Liquid. *Tribology Letters*, **2017**, 65, 1	2.8	26
174	High Temperature Wear Behaviors of TiAl–TiB2 Composites. *Tribology Letters*, **2017**, 65, 1	2.8	11
173	Physicochemistry aspects on frictional interfaces. *Friction*, **2017**, 5, 361-382	5.6	22
172	Supramolecular ionogel lubricants with imidazolium-based ionic liquids bearing the urea group as gelator. *Journal of Colloid and Interface Science*, **2017**, 487, 130-140	9.3	36
171	WEAR BEHAVIOR OF NANOSTRUCTURED HYPOEUTECTIC Fe–B ALLOY. *Surface Review and Letters*, **2017**, 24, 1750023	1.1	2
170	Hybrid Fabric/Molybdic Acid-Modified Phenolic Resin Composites with Improved Antiwear Properties. *Tribology Transactions*, **2016**, 59, 244-251	1.8	3
169	Tribological behavior of aeronautical steel under oil–air lubrication containing extreme-pressure and anti-wear additives. *Advances in Mechanical Engineering*, **2016**, 8, 168781401663829	1.2	1
168	Investigating the tribological performance of nanosized MoS2 on graphene dispersion in perfluoropolyether under high vacuum. *RSC Advances*, **2016**, 6, 98606-98610	3.7	18
167	Paper-based triboelectric nanogenerators and their application in self-powered anticorrosion and antifouling. *Journal of Materials Chemistry A*, **2016**, 4, 18022-18030	13	55
166	Growth of Mo2C nanoparticles on graphene as lubricant filler for high tribological performances of fabric self-lubricating liner composites. *RSC Advances*, **2016**, 6, 110070-110076	3.7	9
165	Characterizing a lubricant additive for 1,3,4-tri-(2-octyldodecyl) cyclopentane: Computational study and experimental verification. *Friction*, **2016**, 4, 257-265	5.6	1
164	Treelike polymeric phosphate esters grafted onto graphene oxide and its tribological properties in polyalkylene glycol for steel/steel contact at elevated temperature. *RSC Advances*, **2016**, 6, 47824-47832	3.7	6
163	A Robust Epoxy Resins @ Stearic Acid-Mg(OH)2 Micronanosheet Superhydrophobic Omnipotent Protective Coating for Real-Life Applications. *ACS Applied Materials & Interfaces*, **2016**, 8, 16511-20	9.5	129

162	Highlighting the Effect of Interfacial Interaction on Tribological Properties of Supramolecular Gel Lubricants. *Advanced Materials Interfaces*, **2016**, 3, 1500489	4.6	25
161	Supramolecular Gel Lubricants Based on Amino Acid Derivative Gelators. *Tribology Letters*, **2016**, 61, 1	2.8	31
160	Photothermally actuated interfacial hydration for fast friction switch on hydrophilic polymer brush modified PDMS sheet incorporated with Fe3O4 nanoparticles. *Chemical Communications*, **2016**, 52, 3681-3	5.8	16
159	The effect of oil fouling on the mechanical and tribological properties of nomex fabric/phenolic composite. *Journal of Composite Materials*, **2016**, 50, 427-432	2.7	
158	Friction and wear behavior of nanoeutectic Fe1.87C0.13 under air and vacuum conditions. *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, **2016**, 230, 481-487	1.4	
157	The effects of the main components of seawater on the tribological properties of Cu9Al5Ni4FeMn alloy sliding against AISI 52100 steel. *RSC Advances*, **2016**, 6, 6384-6394	3.7	2
156	An Investigation on the Friction and Wear Properties of Perfluorooctane Sulfonate Ionic Liquids. *Tribology Letters*, **2016**, 63, 1	2.8	16
155	Growth and characteristics of self-assembled MoS2/Mo-S-C nanoperiod multilayers for enhanced tribological performance. *Scientific Reports*, **2016**, 6, 25378	4.9	15
154	Air Cushion Convection Inhibiting Icing of Self-Cleaning Surfaces. *ACS Applied Materials & Interfaces*, **2016**, 8, 29169-29178	9.5	28
153	Biomimetic Multi-Functional Superamphiphobic FOTS-TiO Particles beyond Lotus Leaf. *ACS Applied Materials & Interfaces*, **2016**, 8, 27188-27198	9.5	106
152	Anisotropic wetting properties on various shape of parallel grooved microstructure. *Journal of Colloid and Interface Science*, **2015**, 453, 142-150	9.3	19
151	Erosion Mechanism of MoS2-Based Films Exposed to Atomic Oxygen Environments. *ACS Applied Materials & Interfaces*, **2015**, 7, 12943-50	9.5	44
150	Tribological behavior of WS2-based solid/liquid lubricating systems dominated by the surface properties of WS2 crystallographic planes. *RSC Advances*, **2015**, 5, 64892-64901	3.7	16
149	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
148	Significant advantages of low-oxygen graphene nanosheets. *Journal of Materials Chemistry A*, **2015**, 3, 9738-9744	13	10
147	WS2-filled hybrid PTFE/Nomex fabric composites with improved antiwear property. *Journal of Materials Science*, **2015**, 50, 1065-1070	4.3	21
146	Biomimetic superoleophobic surfaces: focusing on their fabrication and applications. *Journal of Materials Chemistry A*, **2015**, 3, 1811-1827	13	180
145	Nanoporous Substrate-Infiltrated Hydrogels: a Bioinspired Regenerable Surface for High Load Bearing and Tunable Friction. *Advanced Functional Materials*, **2015**, 25, 7366-7374	15.6	61

144	Electrostatic Self-Assembly of Au Nanoparticles onto Thermosensitive Magnetic Core-Shell Microgels for Thermally Tunable and Magnetically Recyclable Catalysis. *Small*, **2015**, 11, 2807-16	11	95
143	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
142	Candle Soot as Particular Lubricant Additives. *Tribology Letters*, **2014**, 53, 521-531	2.8	36
141	Dry-Sliding Tribological Properties of TiAl/Ti2AlC Composites. *Tribology Letters*, **2014**, 53, 457-467	2.8	22
140	Ionic liquids from amino acids: fully green fluid lubricants for various surface contacts. *RSC Advances*, **2014**, 4, 19396	3.7	83
139	Tribological properties of naphthyl phenyl diphosphates as antiwear additive in polyalkylene glycol and polyurea grease for steel/steel contacts at elevated temperature. *RSC Advances*, **2014**, 4, 6074	3.7	13
138	A simple route to transform normal hydrophilic cloth into a superhydrophobic/superhydrophilic hybrid surface. *Journal of Materials Chemistry A*, **2014**, 2, 7845-7852	13	48
137	pH-responsive smart fabrics with controllable wettability in different surroundings. *RSC Advances*, **2014**, 4, 14684	3.7	45
136	Candle soot as a supercapacitor electrode material. *RSC Advances*, **2014**, 4, 2586-2589	3.7	45
135	Effect of Normal Loads on Tribological Properties of Bronze-Graphite Composite under Seawater Condition. *Tribology Transactions*, **2014**, 57, 308-316	1.8	10
134	Well-ordered polymer nano-fibers with self-cleaning property by disturbing crystallization process. *Nanoscale Research Letters*, **2014**, 9, 352	5	3
133	Microstructure Evolution and Enhanced Tribological Properties of Cu-Doped WS2 Films. *Tribology Letters*, **2014**, 55, 1-13	2.8	29
132	Dry-Sliding Tribological Properties of Cu/AlMgB14 Composites. *Tribology Letters*, **2014**, 55, 35-44	2.8	8
131	Sliding wear behaviors of Nomex fabric/phenolic composite under dry and water-bathed sliding conditions. *Friction*, **2014**, 2, 264-271	5.6	15
130	Tribological properties of nano-calcium borate as lithium grease additive. *Lubrication Science*, **2014**, 26, 43-53	1.3	39
129	Novel Fluorine-containing Trisilahydrocarbon Lubricants and Their Antiatomic Oxygen Irradiation under Simulated Space. *Chemistry Letters*, **2014**, 43, 1578-1580	1.7	
128	Tribological behavior of Fe3Al-60 wt.% Fe3AlC0.5 composite under air and vacuum conditions. *International Journal of Materials Research*, **2014**, 105, 999-1003	0.5	3
127	Biomimicking lubrication superior to fish skin using responsive hydrogels. *NPG Asia Materials*, **2014**, 6, e136-e136	10.3	50

126	Theoretical investigation of atomic oxygen erosion mechanisms of 1,3-didecyl cyclopentane, 1,3-dioctyldodecyl cyclopentane and alkylated cyclopentane. *RSC Advances*, **2014**, 4, 50486-50493	3.7	3
125	DOSS‐Based QAILs: As Both Neat Lubricants and Lubricant Additives with Excellent Tribological Properties and Good Detergency. *Industrial & Engineering Chemistry Research*, **2014**, 53, 17952-17960	3.9	44
124	Tribological Behaviors of Hybrid PTFE/Nomex Fabric/Phenolic Composite under Dry and Water-Bathed Sliding Conditions. *Tribology Transactions*, **2014**, 57, 1116-1121	1.8	8
123	Surface Modification of Diamond-Like Carbon Film with Polymer Brushes Using a Bio-Inspired Catechol Anchor for Excellent Biological Lubrication. *Advanced Materials Interfaces*, **2014**, 1, 1400035	4.6	38
122	Microstructure and Tribological Properties of the Ti3AlC2 Coating on A Ti‐6Al‐2Cr‐2Nb Alloy. *Advanced Engineering Materials*, **2014**, 16, 950-954	3.5	1
121	Comparative study on structure and properties of titanium/silicon mono- and co-doped amorphous carbon films deposited by mid-frequency magnetron sputtering. *Surface and Interface Analysis*, **2014**, 46, 139-144	1.5	8
120	Effect of Counterface on the Tribological Behavior of Ti3AlC2 at Ambient. *Tribology Letters*, **2014**, 53, 311-317	2.8	12
119	A Nickel-Alloy-Based High-Temperature Self-Lubricating Composite with Simultaneously Superior Lubricity and High Strength. *Tribology Letters*, **2013**, 49, 573-577	2.8	29
118	Tribological Behavior of Ti3AlC2 Against SiC at Ambient and Elevated Temperatures. *Tribology Letters*, **2013**, 50, 323-330	2.8	11
117	Lithium-based ionic liquids as novel lubricant additives for multiply alkylated cyclopentanes (MACs). *Friction*, **2013**, 1, 222-231	5.6	22
116	Lubricating a bright future: Lubrication contribution to energy saving and low carbon emission. *Science China Technological Sciences*, **2013**, 56, 2888-2913	3.5	56
115	Tribological behavior of Fe70Ni30 alloy with nanoscale twins under liquid paraffin lubrication. *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, **2013**, 227, 60-66	1.4	2
114	Dry reciprocal sliding wear behavior of nanocrystalline Fe88Si12 alloy. *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, **2013**, 227, 79-83	1.4	3
113	In situ preparation of anti-corrosion ionic liquids as the lubricant additives in multiply-alkylated cyclopentanes. *RSC Advances*, **2013**, 3, 21715	3.7	18
112	Lithium-Based Ionic Liquids: In Situ-Formed Lubricant Additive Only by Blending. *Tribology Letters*, **2013**, 49, 127-133	2.8	34
111	Graphene oxide–iron complex: synthesis, characterization and visible-light-driven photocatalysis. *Journal of Materials Chemistry A*, **2013**, 1, 644-650	13	46
110	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
109	Thermo-responsive hollow silica microgels with controlled drug release properties. *Colloids and Surfaces B: Biointerfaces*, **2013**, 111, 7-14	6	30

108	Ultraviolet Light-Induced Surface-Initiated Atom-Transfer Radical Polymerization.. *ACS Macro Letters*, **2013**, 2, 592-596	6.6	90
107	Tribological behaviour of protic ionic liquids with ammonium salts modified LABSA as lubricants and additives. *Lubrication Science*, **2013**, 25, 217-230	1.3	9
106	Innenrücktitelbild: Controlled Polymer-Brush Growth from Microliter Volumes using Sacrificial-Anode Atom-Transfer Radical Polymerization (Angew. Chem. 35/2013). *Angewandte Chemie*, **2013**, 125, 9501-9501	3.6	
105	Controlled Polymer-Brush Growth from Microliter Volumes using Sacrificial-Anode Atom-Transfer Radical Polymerization. *Angewandte Chemie*, **2013**, 125, 9295-9299	3.6	5
104	The Tribological Behaviour of Fe□28Al□5Cr/TiC Under Liquid Paraffine Lubrication. *Tribology Letters* , **2012**, 45, 109-116	2.8	5
103	Ni3Al Matrix Composite with Lubricious Tungstate at High Temperatures. *Tribology Letters*, **2012**, 45, 251-255	2.8	21
102	Tribological performance of fatty acid modification of sol□gel TiO2 coating. *Journal of Sol-Gel Science and Technology*, **2012**, 61, 558-564	2.3	8
101	Tribological Behavior of Protic Ionic Liquids with Dodecylamine Salts of Dialkyldithiocarbamate as Additives in Lithium Complex Grease. *Tribology Letters*, **2012**, 48, 133-144	2.8	31
100	Sliding Wear Behaviour of Nanocrystalline Fe88Si12 Alloy Under Low Load and Speed. *Tribology Letters*, **2012**, 48, 329-335	2.8	8
99	Tribological Study of Boron-Containing Soybean Lecithin as Environmentally Friendly Lubricant Additive in Synthetic Base Fluids. *Tribology Letters*, **2012**, 47, 381-388	2.8	20
98	Dramatically improved friction reduction and wear resistance by in situ formed ionic liquids. *RSC Advances*, **2012**, 2, 6824	3.7	48
97	Hydrophobization of epoxy nanocomposite surface with 1H,1H,2H,2H-perfluorooctyltrichlorosilane for superhydrophobic properties. *Open Physics*, **2012**, 10,	1.3	6
96	Stable superhydrophobic coatings from thiol-ligand nanocrystals and their application in oil/water separation. *Journal of Materials Chemistry*, **2012**, 22, 9774		210
95	Extreme wettability and tunable adhesion: biomimicking beyond nature?. *Soft Matter*, **2012**, 8, 2070-2086	3.6	209
94	Electrochemically Induced Surface-Initiated Atom-Transfer Radical Polymerization. *Angewandte Chemie*, **2012**, 124, 5182-5185	3.6	42
93	The Tribological Behavior of a Ti-46Al-2Cr-2Nb Alloy Under Liquid Paraffine Lubrication. *Tribology Letters*, **2012**, 46, 233-241	2.8	25
92	Combustion synthesis and characterization of bulk nanostructured Ni50Al17Fe33 alloy. *International Journal of Materials Research*, **2012**, 103, 866-869	0.5	
91	Superoleophobicity under vacuum. *Applied Physics Letters*, **2011**, 98, 194102	3.4	10

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