Xiaoliang Shi

List of Publications by Year in Descending Order

156 papers	2,100 citations	24 h-index	38 g-index
159 ext. papers	2,465 ext. citations	2.8 avg, IF	5.03 L-index

#	Paper	IF	Citations
156	Tribological properties and self-compensating lubrication mechanisms of Ni3Al matrix bio-inspired shell-like composite structure. *Applied Surface Science*, **2022**, 573, 151462	6.7	5
155	Synergistic lubrication mechanisms of AISI 4140 steel in dual lubrication systems of multi-solid coating and oil lubrication. *Tribology International*, **2022**, 169, 107484	4.9	1
154	Effects of Ni3Al matrix bio-inspired shell-like composite surface structure on interfacial tribological behaviors. *Tribology International*, **2022**, 170, 107522	4.9	1
153	Synergetic Effects of Biomimetic Microtexture With Multi-solid Lubricants to Improve Tribological Properties of AISI 4140 Steel. *Tribology International*, **2021**, 107395	4.9	2
152	Noise Reduction Mechanism and Analysis of TC4 with Dimple Textured Surfaces. *Journal of Materials Engineering and Performance*, **2021**, 30, 3859-3871	1.6	0
151	Effects of Textured Surface Combined with Sn-Ag-Cu Coating on Tribological Properties and Friction-Induced Noise of Ti-6Al-4V Alloy. *Tribology Transactions*, **2021**, 64, 562-577	1.8	6
150	Tribological Performance of Gradient Ag-Multilayer Graphene/TC4 Alloy Self-Lubricating Composites Prepared By Laser Additive Manufacturing. *Tribology Transactions*, **2021**, 64, 819-829	1.8	6
149	Improving Tribological Performance of Inconel 625 by Combining Groove-Textured Surfaces with Sn-Ag-Cu Solid Lubricant. *Journal of Materials Engineering and Performance*, **2021**, 30, 154-164	1.6	6
148	Investigation of friction noise properties of M50 matrix curved microporous channel composites filled with Sn-Ag-Cu. *Industrial Lubrication and Tribology*, **2021**, 73, 855-861	1.3	
147	Optimization of bionic textured parameter to improve the tribological performance of AISI 4140 self-lubricating composite through response surface methodology. *Tribology International*, **2021**, 161, 107104	4.9	11
146	Effects of groove-textured surfaces with Sn-Ag-Cu and MXene-Ti3C2 on tribological performance of CSS-42L bearing steel in solid-liquid composite lubrication system. *Tribology International*, **2021**, 161, 107099	4.9	5
145	High temperature tribological behavior of textured CSS-42L bearing steel filled with Sn-Ag-Cu-Ti3C2. *Tribology International*, **2021**, 164, 107205	4.9	9
144	Investigation of Mechanical and Tribological Performance of Ti6Al4V-Based Self-Lubricating Composites with Different Microporous Channel Parameters. *Journal of Materials Engineering and Performance*, **2020**, 29, 3995-4008	1.6	3
143	Effects of surface composite structure with micro-grooves and Sn-Ag-Cu on reducing friction and wear of Ni3Al alloys. *Surface and Coatings Technology*, **2020**, 387, 125540	4.4	17
142	Friction and wear behaviors of TC4 alloy with surface microporous channels filled by Sn-Ag-Cu and Al2O3 nanoparticles. *Surface and Coatings Technology*, **2020**, 387, 125552	4.4	20
141	Effects of groove-textured surface combined with Sn□Ag□Cu lubricant on friction-induced vibration and noise of GCr15 bearing steel. *Tribology International*, **2020**, 148, 106316	4.9	18
140	Tribological property and frictional noise performance of titanium alloys with Sn□Ag□Cu and TiC filled into surface dimples. *Tribology International*, **2020**, 144, 106121	4.9	11

139	Study on the Lubrication Mechanism of Titanium Alloys with Surface Dimples Filled with Sn-Ag-Cu and TiC under Dry Sliding Friction. *Journal of Materials Engineering and Performance*, **2020**, 29, 5776-5786	1.6	1
138	Tribological Behavior of M50-Sn-Ag-Cu Composites with Curved Microchannels. *Journal of Materials Engineering and Performance*, **2020**, 29, 2190-2201	1.6	4
137	Study on Tribological and Friction Noise Performance of Ti6Al4V Self-lubricating Composites. *Journal of Materials Engineering and Performance*, **2019**, 28, 6063-6072	1.6	1
136	Effect of different microporous parameters on mechanical and frictional properties of M50 self-lubricating materials: simulation analysis and experimental study. *Materials Research Express*, **2019**, 6, 056502	1.7	2
135	Enhancing the tribological properties of NiAl based nano-composites for aerospace bearing applications. *Materials Research Express*, **2019**, 6, 085067	1.7	7
134	Tribological Properties and Self-Repairing Functionality of Ti6Al4V-Multilayer Graphene-Ag Composites. *Journal of Materials Engineering and Performance*, **2019**, 28, 3381-3392	1.6	8
133	Tribological performance of functionally gradient structure of graphene nanoplatelets reinforced Ni3Al metal matrix composites prepared by laser melting deposition. *Wear*, **2019**, 428-429, 417-429	3.5	15
132	Reducing friction noise of M50 matrix composites by adding Ti3SiC2. *Materials Research Express*, **2019**, 6, 076510	1.7	5
131	Friction and wear behaviors of Ni3Al metal matrix self-lubrication composites prepared by laser melting deposition. *Materials Research Express*, **2019**, 6, 086538	1.7	
130	Effects of functionally gradient structure of Ni3Al metal matrix self-lubrication composites on friction-induced vibration and noise and wear behaviors. *Tribology International*, **2019**, 135, 75-88	4.9	13
129	Effects of wear characteristics of Ni3Al metal matrix self-lubrication composites on friction-induced vibration and noise properties. *Materials Research Express*, **2019**, 6, 056539	1.7	1
128	Effect of Silver and Carbon Fiber on the Tribological Properties of M50 Matrix Composites Under Different Loads. *Journal of Materials Engineering and Performance*, **2019**, 28, 1094-1102	1.6	2
127	Failure mechanisms of lubricating film on M50-Ag composites. *Industrial Lubrication and Tribology*, **2019**, 72, 389-395	1.3	
126	The synergistic lubricating mechanism of Sn-Ag-Cu and C60 on the worn surface of M50 self-lubricating material at elevated loads. *Journal of Alloys and Compounds*, **2019**, 777, 271-284	5.7	26
125	Study on the thickness of lubricating film of M50-Ag self-lubricating composites. *Lubrication Science* , **2019**, 31, 11-20	1.3	8
124	Tribological Performance of Ni3Al Matrix Composites Synthesized by Laser Melt Deposition Under Different Scanning Velocities. *Journal of Materials Engineering and Performance*, **2018**, 27, 1962-1972	1.6	8
123	Tribological behavior of TiAl-multilayer graphene-silver composites at different sliding speeds. *Materials Chemistry and Physics*, **2018**, 213, 368-373	4.4	12
122	The Sliding Wear and Friction Behavior of M50-Graphene Self-Lubricating Composites Prepared by Laser Additive Manufacturing at Elevated Temperature. *Journal of Materials Engineering and Performance*, **2018**, 27, 985-996	1.6	8

121	Tribological Performance of Ni3Al Matrix Self-Lubricating Composites Containing Multilayer Graphene Prepared by Additive Manufacturing. *Journal of Materials Engineering and Performance*, **2018**, 27, 167-175	1.6	14
120	Effect of elastic and plastic deformations on tribological behavior of graphene-reinforced Ni3Al matrix composites. *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, **2018**, 232, 1261-1272	1.4	4
119	Effect of Applied Load and Sliding Speed on Tribological Behavior of TiAl-Based Self-Lubricating Composites. *Journal of Materials Engineering and Performance*, **2018**, 27, 194-201	1.6	4
118	A study of the friction layer of TiAl-10 wt.% Ag composite and the prediction model of friction and wear behaviors. *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, **2018**, 232, 699-710	1.4	1
117	Effect of graphene nanoplatelets on tribological properties of titanium alloy matrix composites at varying sliding velocities. *Materials Research Express*, **2018**, 5, 066507	1.7	9
116	Tribological and friction-induced vibration and noise performance of Ti6Al4V-multilayer graphene self-lubricating composites. *Materials Research Express*, **2018**, 5, 096511	1.7	5
115	Tribological behavior and self-healing functionality of M50 material covered with surface micropores filled with Sn-Ag-Cu. *Tribology International*, **2018**, 128, 365-375	4.9	35
114	Differences in tribological performance between spark plasma sintering and laser melting deposition for fabrication of Ni3Al matrix self-lubricating composites. *Materials Research Express*, **2018**, 5, 076501	1.7	
113	Anti-friction and wear properties of the friction surface of M50-10 wt%(50Sn40Ag10Cu) composite. *Journal of Alloys and Compounds*, **2018**, 765, 7-17	5.7	12
112	Effects of frictional heat on the tribological properties of Ni3Al matrix self-lubricating composite containing graphene nanoplatelets under different loads. *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, **2018**, 232, 645-656	1.4	2
111	Tribological performance of Ni3Al matrix self-lubricating composites containing Ag prepared by laser melting deposition. *Materials Research Express*, **2018**, 5, 126514	1.7	1
110	Effect of synthesis methods on tribological performance of M50-Ag-Ti3SiC2 self-lubricating composites. *Materials Research Express*, **2018**, 5, 066539	1.7	
109	Effects of friction layer characteristics on the tribological properties of Ni3Al solid-lubricating composites at different load conditions. *Materials Research Express*, **2018**, 5, 056527	1.7	2
108	Tribological Performance of M50-Ag-TiC Self-Lubricating Composites at Elevated Temperature. *Journal of Materials Engineering and Performance*, **2018**, 27, 3731-3741	1.6	4
107	The Sliding Wear and Frictional Behavior of M50-10 wt.%(Sn-Ag-Cu) Self-Lubricating Materials at Elevated Temperatures. *Journal of Materials Engineering and Performance*, **2018**, 27, 4291-4299	1.6	7
106	Tribological performance of Ti3SiC2 enhanced Ni3Al matrix composites. *Materials Research Express*, **2018**, 5, 066528	1.7	2
105	Effect of MoO3 Tabular Crystals on TiAl Matrix Composites under Different Test Loads. *Tribology Transactions*, **2017**, 60, 575-580	1.8	2
104	A Study of the Tribological Behavior of TiAl-10 wt.%Ag Composite Based on the Contact Stress Evolution. *Journal of Materials Engineering and Performance*, **2017**, 26, 1251-1261	1.6	1

103	Tribological Behaviors of Ni3Al Intermetallics with MoO3 Multilayer Ribbon Crystal Prepared by Spark Plasma Sintering. *Acta Metallurgica Sinica (English Letters)*, **2017**, 30, 576-584	2.5	7
102	Effects of Friction Layer Thickness on the Tribological Performance of Ni3Al-Ag-MoO3. *Journal of Materials Engineering and Performance*, **2017**, 26, 2313-2321	1.6	8
101	Tribological Behavior of TiAl Metal Matrix Composite Brake Disk with TiC Reinforcement Under Dry Sliding Conditions. *Journal of Materials Engineering and Performance*, **2017**, 26, 3457-3464	1.6	9
100	Tribological Behavior of □TiAl Matrix Composites with Different Contents of Multilayer Graphene. *Journal of Materials Engineering and Performance*, **2017**, 26, 2776-2783	1.6	3
99	Investigation of Tribological Behaviors of TiAl-Multilayer Graphene-Microsphere Composites at Different Applied Loads. *Journal of Materials Engineering and Performance*, **2017**, 26, 2305-2312	1.6	7
98	Tribological Performance and Self-Lubricating Film Formation Mechanism of TiAl-Based Composites at Elevated Temperatures. *Journal of Materials Engineering and Performance*, **2017**, 26, 268-276	1.6	4
97	Dry Sliding Wear of TiAl-Graphene-Silver Composite at Elevated Temperatures. *Journal of Materials Engineering and Performance*, **2017**, 26, 4615-4625	1.6	5
96	Tribological Performance of Ni3Al Matrix Self-Lubricating Composites Containing Multilayer Graphene and Ti3SiC2 at Elevated Temperatures. *Journal of Materials Engineering and Performance*, **2017**, 26, 4605-4614	1.6	6
95	Tribological behavior of M50-MoS2 self-lubricating composites from 150 to 450 □C. *Materials Chemistry and Physics*, **2017**, 198, 145-153	4.4	27
94	Tribological performance of Ni 3 Al matrix composites with MoO 3 tabular crystal under different sliding speed. *Materials Chemistry and Physics*, **2017**, 200, 85-92	4.4	6
93	The research on the sliding friction and wear behaviors of TiAl-10□wt%Ag at elevated temperatures. *Materials Chemistry and Physics*, **2017**, 186, 317-326	4.4	25
92	Study on Tribological Performance of NiAl Matrix Self-Lubricating Composites Containing Graphene at Different Loads. *Tribology Transactions*, **2017**, 60, 1043-1052	1.8	5
91	Effect of Hardness Ratio on the Wear Performance and Subsurface Evolution of Ni3Al Matrix Composites. *Tribology Transactions*, **2017**, 60, 902-912	1.8	4
90	Tribological performance of NiAl alloy containing graphene nanoplatelets under different velocities. *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, **2017**, 231, 799-809	1.4	
89	Mechanical and tribological behaviors of the tribo-layer with nanocrystalline structure during sliding contact: Experiments and model assessment. *Composites Part B: Engineering*, **2017**, 108, 354-363	10	17
88	Effect of Ti3SiC2 on Tribological Properties of M50 Matrix Self-Lubricating Composites from 25 to 450 □C. *Journal of Materials Engineering and Performance*, **2017**, 26, 4595-4604	1.6	12
87	Study on the Antifriction and Antiwear Mechanisms of MoO3 Tabular Crystal in TiAl Matrix Composites. *Journal of Materials Engineering and Performance*, **2016**, 25, 5374-5381	1.6	1
86	Tribological performance of TiAl matrix composites containing silver and V2O5 nanowires at elevated temperatures. *RSC Advances*, **2016**, 6, 56294-56302	3.7	15

85	The study of the preparation and tribological behavior of TiAl matrix composites containing 1 wt% multi-walled carbon nanotubes. *RSC Advances*, **2016**, 6, 29334-29341	3.7	8
84	Investigation of mechanical and tribological properties of tribo-layer of Ni3Al matrix composites. *Lubrication Science*, **2016**, 28, 407-422	1.3	4
83	Effects of MoS2 and Multiwalled Carbon Nanotubes on Tribological Behavior of TiAl Matrix Composite. *Journal of Materials Engineering and Performance*, **2016**, 25, 1094-1102	1.6	8
82	The Research on the Bionic Friction Layers of TiAl-10wt.%V2O5 Nanowires at the Applied Loads of 6-24 N. *Journal of Materials Engineering and Performance*, **2016**, 25, 5391-5399	1.6	2
81	Tribological Characterization of NiAl Self-Lubricating Composites Containing V2O5 Nanowires. *Journal of Materials Engineering and Performance*, **2016**, 25, 4941-4951	1.6	8
80	Microstructure and Functional Mechanism of Friction Layer in Ni3Al Matrix Composites with Graphene Nanoplatelets. *Journal of Materials Engineering and Performance*, **2016**, 25, 4126-4133	1.6	4
79	Effect of multiwalled carbon nanotubes on the lubricating properties of TiAl/Ag composites based on the changes in applied loads and testing temperatures. *RSC Advances*, **2016**, 6, 74269-74277	3.7	14
78	Research on the Thickness of the Friction Layer of Ni3Al Matrix Composites with Graphene Nanoplatelets. *Tribology Letters*, **2015**, 59, 1	2.8	5
77	Wear rate of a TiAl matrix composite containing 10 wt% Ag predicted using the Newton interpolation method. *RSC Advances*, **2015**, 5, 67102-67114	3.7	10
76	Improving the tribological properties of NiAl matrix composites via hybrid lubricants of silver and graphene nano platelets. *RSC Advances*, **2015**, 5, 61554-61561	3.7	7
75	Tribological Performance of NiAl Self-lubricating Matrix Composite with Addition of Graphene at Different Loads. *Journal of Materials Engineering and Performance*, **2015**, 24, 2866-2874	1.6	7
74	Fabrication and properties of tungsten-copper alloy reinforced by titanium-coated silicon carbide whiskers. *Journal of Composite Materials*, **2015**, 49, 1589-1597	2.7	2
73	Sliding Speed and Load Dependence of Tribological Properties of Ti3SiC2/TiAl Composite. *Tribology Transactions*, **2015**, 58, 87-96	1.8	21
72	A Study of the Frictional Layer of TiAl-12Ag-5TiB2 Composite During Dry Sliding Wear. *Journal of Materials Engineering and Performance*, **2015**, 24, 2875-2884	1.6	7
71	Tribological Properties of TiAl Matrix Self-Lubricating Composites Containing Multilayer Graphene and Ti3SiC2 at High Temperatures. *Tribology Transactions*, **2015**, 58, 1131-1141	1.8	15
70	Comparison of Tribological Properties of NiAl Matrix Composites Containing Graphite, Carbon Nanotubes, or Graphene. *Journal of Materials Engineering and Performance*, **2015**, 24, 1926-1936	1.6	26
69	Effect of Temperature on Tribological Properties and Wear Mechanisms of NiAl Matrix Self-Lubricating Composites Containing Graphene Nanoplatelets. *Tribology Transactions*, **2015**, 58, 729-735	1.8	20
68	Tribological behavior of TiAl matrix self-lubricating composites reinforced by multilayer graphene. *RSC Advances*, **2015**, 5, 44618-44625	3.7	18

67	Synergetic Lubricating Effect of WS2 and Ti3SiC2 on Tribological Properties of Ni3Al Matrix Composites at Elevated Temperatures. *Tribology Transactions*, **2015**, 58, 454-466	1.8	11
66	Tribological behavior of a TiAl matrix composite containing 10 wt% Ag investigated at four wear stages. *RSC Advances*, **2015**, 5, 77885-77896	3.7	16
65	Investigation of mechanical and tribological behaviors of multilayer graphene reinforced Ni3Al matrix composites. *Composites Part B: Engineering*, **2015**, 70, 149-155	10	88
64	Tribological Behavior of TiAl Matrix Composites with MoO3 Tabular Crystal. *Journal of Materials Engineering and Performance*, **2015**, 24, 4482-4487	1.6	5
63	Tribological Characteristics of NiAl Matrix Composites with 1.5 wt% Graphene at Elevated Temperatures: An Experimental and Theoretical Study. *Tribology Transactions*, **2015**, 58, 1076-1083	1.8	10
62	Tribological Performance of Ni3Al Self-Lubricating Composites with Different Content of TiC at Elevated Temperature. *Tribology Transactions*, **2015**, 58, 365-373	1.8	9
61	Influence of Lubricants on Wear and Self-Lubricating Mechanisms of Ni3Al Matrix Self-Lubricating Composites. *Journal of Materials Engineering and Performance*, **2015**, 24, 280-295	1.6	6
60	Investigation of the friction layer of Ni3Al matrix composites. *Wear*, **2015**, 328-329, 39-49	3.5	13
59	Effect of TiB2 on Tribological Properties of TiAl Self-lubricating Composites Containing Ag at Elevated Temperature. *Journal of Materials Engineering and Performance*, **2015**, 24, 307-318	1.6	13
58	Formation of Friction Layers in Graphene-Reinforced TiAl Matrix Self-Lubricating Composites. *Tribology Transactions*, **2015**, 58, 668-678	1.8	19
57	Influence of Subsurface Micro/Nano-Structural Evolution on Macroscopic Tribological Behavior of Ni3Al Matrix Composites. *Tribology Letters*, **2015**, 57, 1	2.8	9
56	Effect of Ag and Ti3SiC2 on Tribological Properties of TiAl Matrix Self-lubricating Composites at Room and Increased Temperatures. *Tribology Letters*, **2014**, 53, 617-629	2.8	41
55	Effect of Ti3SiC2 Content on Tribological Behavior of Ni3Al Matrix Self-Lubricating Composites from 25 to 800 °C. *Journal of Materials Engineering and Performance*, **2014**, 23, 1374-1385	1.6	9
54	Synergetic lubricating effect of MoS2 and Ti3SiC2 on tribological properties of NiAl matrix self-lubricating composites over a wide temperature range. *Materials & Design*, **2014**, 55, 93-103		39
53	Tribological performance of TiAl matrix self-lubricating composites containing Ag, Ti3SiC2 and BaF2/CaF2 tested from room temperature to 600°C. *Materials & Design*, **2014**, 53, 620-633		44
52	Tribological behavior of Ni3Al matrix self-lubricating composites containing WS2, Ag and hBN tested from room temperature to 800 °C. *Materials & Design*, **2014**, 55, 75-84		65
51	Tribological behaviors of NiAl based self-lubricating composites containing different solid lubricants at elevated temperatures. *Wear*, **2014**, 310, 1-11	3.5	45
50	Friction and Wear Properties of TiAl-Ti3SiC2-MoS2 Composites Prepared by Spark Plasma Sintering. *Tribology Transactions*, **2014**, 57, 416-424	1.8	19

49	Wear and Friction of TiAl Matrix Self-Lubricating Composites against Si3N4 in Air at Room and Elevated Temperatures. *Tribology Transactions*, **2014**, 57, 1017-1027	1.8	21
48	Effect of Sliding Speed and Applied Load on Dry Sliding Tribological Performance of TiAl Matrix Self-lubricating Composites. *Tribology Letters*, **2014**, 55, 393-404	2.8	31
47	Formation of friction layer of Ni3Al matrix composites with micro- and nano-structure during sliding friction under different loads. *Materials Chemistry and Physics*, **2014**, 147, 850-859	4.4	14
46	Effect of counterface balls on the friction layer of Ni3Al matrix composites with 1.5 wt% graphene nanoplatelets. *Tribology Letters*, **2014**, 55, 343-352	2.8	16
45	Grain refinement: A mechanism for graphene nanoplatelets to reduce friction and wear of Ni3Al matrix self-lubricating composites. *Wear*, **2014**, 310, 33-40	3.5	111
44	Tribological properties of TiAl-Ti3SiC2 composites. *Journal Wuhan University of Technology, Materials Science Edition*, **2014**, 29, 256-263	1	4
43	High-Temperature Tribological Performance of Ti3SiC2/TiAl Self-Lubricating Composite Against Si3N4 in Air. *Journal of Materials Engineering and Performance*, **2014**, 23, 2255-2264	1.6	11
42	Preparation and tribological properties of TiAl matrix composites reinforced by multilayer graphene. *Carbon*, **2014**, 67, 168-177	10.4	165
41	Effect of graphene nanoplate addition on the tribological performance of Ni3Al matrix composites. *Journal of Composite Materials*, **2014**, 48, 3727-3733	2.7	20
40	The Enhanced Tribological Properties of NiAl Intermetallics: Combined Lubrication of Multilayer Graphene and WS2. *Tribology Letters*, **2014**, 56, 573-582	2.8	16
39	Tribological Behavior of NiAl□1.5 wt% Graphene Composite Under Different Velocities. *Tribology Transactions*, **2014**, 57, 1044-1050	1.8	15
38	Tribological Behaviors of NiAl-Ti3SiC2 Self-Lubricating Composites at Elevated Temperatures. *Tribology Transactions*, **2014**, 57, 589-602	1.8	12
37	Synthesis and tribological behaviors of Ti3SiC2 material prepared by vacuum sintering technique. *Journal Wuhan University of Technology, Materials Science Edition*, **2013**, 28, 417-424	1	2
36	Synthesis and characterization of W-doped TiO2 supported by hybrid carbon nanomaterials of multi-walled carbon nanotubes and C60 fullerene by a hydrothermal method. *Journal Wuhan University of Technology, Materials Science Edition*, **2013**, 28, 207-214	1	3
35	Tribological behavior of TiAl matrix self-lubricating composites containing silver from 25 to 800□C. *Wear*, **2013**, 303, 486-494	3.5	96
34	Fabrication and properties of W□20Cu alloy reinforced by titanium nitride coated SiC fibers. *International Journal of Refractory Metals and Hard Materials*, **2013**, 41, 60-65	4.1	17
33	Tribological performance of Ni3Al□15 wt% Ti3SiC2 composites against Al2O3, Si3N4 and WC-6Co from 25 to 800 □C. *Wear*, **2013**, 303, 244-254	3.5	25
32	Friction and wear behavior of NiAl□10wt%Ti3SiC2 composites. *Wear*, **2013**, 303, 9-20	3.5	26

31	Influence of Ti3SiC2 content on tribological properties of NiAl matrix self-lubricating composites. *Materials & Design*, **2013**, 45, 179-189		53
30	Tribological behavior of Ti3SiC2/(WC–10Co) composites prepared by spark plasma sintering. *Materials & Design*, **2013**, 45, 365-376		27
29	Effect of TiC coated MWCNT content on friction and wear behavior of MWCNT–Ti3SiC2 composites. *Materials Research Bulletin*, **2013**, 48, 315-323	5.1	5
28	Synthesis and characterization of F-N-W-codoped TiO2 photocatalyst with enhanced visible light response. *Materials Research Bulletin*, **2012**, 47, 4347-4352	5.1	7
27	Properties, phases and microstructure of microwave sintered W-20Cu composites from spray pyrolysiscontinuous reduction processed powders. *Journal Wuhan University of Technology, Materials Science Edition*, **2012**, 27, 38-44	1	5
26	Facile synthesis of Ti3SiC2 powder by high energy ball-milling and vacuum pressureless heat-treating process from Ti–TiC–Si–C–Al powder mixtures. *Ceramics International*, **2012**, 38, 2027-2033	5.1	33
25	Fabrication and properties of W–20Cu alloy reinforced by titanium coated carbon fibers. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2011**, 528, 8353-8358	5.3	7
24	Photocatalytic degradation of rhodamine B dye with MWCNT/TiO2/C60 composites by a hydrothermal method. *Journal Wuhan University of Technology, Materials Science Edition*, **2011**, 26, 65-69	1	8
23	Microwave sintering of W-15Cu ultrafine composite powder prepared by spray drying & calcining-continuous reduction technology. *Journal Wuhan University of Technology, Materials Science Edition*, **2011**, 26, 280-283	1	2
22	Photocatalytic degradation of rhodamine B Dye with high purity anatase nano-TiO2 synthesized by a hydrothermal method. *Journal Wuhan University of Technology, Materials Science Edition*, **2011**, 26, 600-605	1	7
21	Effects of activated sintering process on properties and microstructure of W-15Cu alloy. *Journal Wuhan University of Technology, Materials Science Edition*, **2010**, 25, 909-913	1	2
20	Spark plasma sintering of W–15Cu alloy from ultrafine composite powder prepared by spray drying and calcining-continuous reduction technology. *Materials Characterization*, **2009**, 60, 133-137	3.9	34
19	Enhanced photocatalytic activity of titanium dioxide by nut shell carbon. *Journal of Hazardous Materials*, **2009**, 167, 692-5	12.8	6
18	Microstructure and properties of W-15Cu alloys prepared by mechanical alloying and spark plasma sintering process. *Journal Wuhan University of Technology, Materials Science Edition*, **2008**, 23, 399-402	1	8
17	Preparation, characterization and photocatalytic activity of multi-walled carbon nanotube-supported tungsten trioxide composites. *Journal of Physics and Chemistry of Solids*, **2008**, 69, 2396-2400	3.9	53
16	Fabrication and properties of WC–10Co cemented carbide reinforced by multi-walled carbon nanotubes. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2008**, 486, 489-495	5.3	9
15	Synthesis of multi-walled carbon nanotube–tungsten carbide composites by the reduction and carbonization process. *Carbon*, **2007**, 45, 1735-1742	10.4	28
14	Characterization of W–20Cu ultrafine composite powder prepared by spray drying and calcining-continuous reduction technology. *Materials Chemistry and Physics*, **2007**, 104, 235-239	4.4	38

13	Effects of Curved Microchannel Surfaces with Sn-Ag-Cu and MXene-Ti3C2 on Tribological Performance of M50 Bearing Steel in Solid–Liquid Composite Lubrication System. *Journal of Materials Engineering and Performance*,1	1.6	
12	Friction characteristics of textured CSS-42L bearing steel filled with Sn-Ag-Cu-Ti3C2 under lubricated conditions. *Tribology Transactions*,1-16	1.8	0
11	Effect of Deposited Sn-Ag-Cu Solid Lubricant and Grooves on Tribological Properties of 42CrMo Steel under Grease Lubrication. *Journal of Materials Engineering and Performance*,1	1.6	
10	Optimization of textured parameters to improve the tribological behavior of TC4-based bionic coating using RSM. *Tribology Transactions*,1-17	1.8	0
9	Effects of groove-textured surfaces filled with Sn-Ag-Cu and MXene-Ti3C2 composite lubricants on tribological properties of CSS-42L bearing steel. *Friction*,1	5.6	2
8	Tribological Behaviors and Friction-Induced Vibration and Noise Performance of TC4 with Bionic Coating Prepared by Laser Additive Manufacturing. *Journal of Materials Engineering and Performance*,1	1.6	2
7	Synergetic Lubricating Performance of M50-SnAgCu-Nb2C Bionic Composites Fabricated by Laser Additive Manufacturing under Oil Lubrication. *Journal of Materials Engineering and Performance*,1	1.6	0
6	Tribological Properties and Frictional Noise Behavior of Inconel 625 with Micro-texture Filled by Sn-Ag-Cu. *Journal of Materials Engineering and Performance*,1	1.6	1
5	Tribological Behavior of Surface Bionic Rhombic-Textured M50 Steel Containing SnAgCu and MXene-Nb2C under Dry Sliding Conditions. *Journal of Materials Engineering and Performance*,1	1.6	3
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