

Xiaoliang Shi

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156
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159
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ext. citations

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avg, IF

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#	Paper	IF	Citations
156	Preparation and tribological properties of TiAl matrix composites reinforced by multilayer graphene. <i>Carbon</i> , 2014 , 67, 168-177	10.4	165
155	Grain refinement: A mechanism for graphene nanoplatelets to reduce friction and wear of Ni3Al matrix self-lubricating composites. <i>Wear</i> , 2014 , 310, 33-40	3.5	111
154	Tribological behavior of TiAl matrix self-lubricating composites containing silver from 25 to 800°C. <i>Wear</i> , 2013 , 303, 486-494	3.5	96
153	Investigation of mechanical and tribological behaviors of multilayer graphene reinforced Ni3Al matrix composites. <i>Composites Part B: Engineering</i> , 2015 , 70, 149-155	10	88
152	Tribological behavior of Ni3Al matrix self-lubricating composites containing WS ₂ , Ag and hBN tested from room temperature to 800 °C. <i>Materials & Design</i> , 2014 , 55, 75-84		65
151	Influence of Ti ₃ SiC ₂ content on tribological properties of NiAl matrix self-lubricating composites. <i>Materials & Design</i> , 2013 , 45, 179-189		53
150	Preparation, characterization and photocatalytic activity of multi-walled carbon nanotube-supported tungsten trioxide composites. <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 2396-2400	3.9	53
149	Tribological behaviors of NiAl based self-lubricating composites containing different solid lubricants at elevated temperatures. <i>Wear</i> , 2014 , 310, 1-11	3.5	45
148	Tribological performance of TiAl matrix self-lubricating composites containing Ag, Ti ₃ SiC ₂ and BaF ₂ /CaF ₂ tested from room temperature to 600°C. <i>Materials & Design</i> , 2014 , 53, 620-633		44
147	Effect of Ag and Ti ₃ SiC ₂ on Tribological Properties of TiAl Matrix Self-lubricating Composites at Room and Increased Temperatures. <i>Tribology Letters</i> , 2014 , 53, 617-629	2.8	41
146	Synergetic lubricating effect of MoS ₂ and Ti ₃ SiC ₂ on tribological properties of NiAl matrix self-lubricating composites over a wide temperature range. <i>Materials & Design</i> , 2014 , 55, 93-103		39
145	Characterization of W ₂₀ Cu ultrafine composite powder prepared by spray drying and calcining-continuous reduction technology. <i>Materials Chemistry and Physics</i> , 2007 , 104, 235-239	4.4	38
144	Tribological behavior and self-healing functionality of M50 material covered with surface micropores filled with Sn-Ag-Cu. <i>Tribology International</i> , 2018 , 128, 365-375	4.9	35
143	Spark plasma sintering of W ₁₅ Cu alloy from ultrafine composite powder prepared by spray drying and calcining-continuous reduction technology. <i>Materials Characterization</i> , 2009 , 60, 133-137	3.9	34
142	Facile synthesis of Ti ₃ SiC ₂ powder by high energy ball-milling and vacuum pressureless heat-treating process from Ti ₃ SiC ₂ /Al powder mixtures. <i>Ceramics International</i> , 2012 , 38, 2027-2033	5.1	33
141	Effect of Sliding Speed and Applied Load on Dry Sliding Tribological Performance of TiAl Matrix Self-lubricating Composites. <i>Tribology Letters</i> , 2014 , 55, 393-404	2.8	31
140	Synthesis of multi-walled carbon nanotube/tungsten carbide composites by the reduction and carbonization process. <i>Carbon</i> , 2007 , 45, 1735-1742	10.4	28

139	Tribological behavior of M50-MoS ₂ self-lubricating composites from 150 to 450 °C. <i>Materials Chemistry and Physics</i> , 2017 , 198, 145-153	4.4	27
138	Tribological behavior of Ti ₃ SiC ₂ /(WC-10Co) composites prepared by spark plasma sintering. <i>Materials & Design</i> , 2013 , 45, 365-376		27
137	Comparison of Tribological Properties of NiAl Matrix Composites Containing Graphite, Carbon Nanotubes, or Graphene. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 1926-1936	1.6	26
136	Friction and wear behavior of NiAl-10wt%Ti ₃ SiC ₂ composites. <i>Wear</i> , 2013 , 303, 9-20	3.5	26
135	The synergistic lubricating mechanism of Sn-Ag-Cu and C ₆₀ on the worn surface of M50 self-lubricating material at elevated loads. <i>Journal of Alloys and Compounds</i> , 2019 , 777, 271-284	5.7	26
134	Tribological performance of Ni ₃ Al-5 wt% Ti ₃ SiC ₂ composites against Al ₂ O ₃ , Si ₃ N ₄ and WC-6Co from 25 to 800 °C. <i>Wear</i> , 2013 , 303, 244-254	3.5	25
133	The research on the sliding friction and wear behaviors of TiAl-10wt%Ag at elevated temperatures. <i>Materials Chemistry and Physics</i> , 2017 , 186, 317-326	4.4	25
132	Sliding Speed and Load Dependence of Tribological Properties of Ti ₃ SiC ₂ /TiAl Composite. <i>Tribology Transactions</i> , 2015 , 58, 87-96	1.8	21
131	Wear and Friction of TiAl Matrix Self-Lubricating Composites against Si ₃ N ₄ in Air at Room and Elevated Temperatures. <i>Tribology Transactions</i> , 2014 , 57, 1017-1027	1.8	21
130	Effect of Temperature on Tribological Properties and Wear Mechanisms of NiAl Matrix Self-Lubricating Composites Containing Graphene Nanoplatelets. <i>Tribology Transactions</i> , 2015 , 58, 729-735	1.8	20
129	Friction and wear behaviors of TC4 alloy with surface microporous channels filled by Sn-Ag-Cu and Al ₂ O ₃ nanoparticles. <i>Surface and Coatings Technology</i> , 2020 , 387, 125552	4.4	20
128	Effect of graphene nanoplate addition on the tribological performance of Ni ₃ Al matrix composites. <i>Journal of Composite Materials</i> , 2014 , 48, 3727-3733	2.7	20
127	Friction and Wear Properties of TiAl-Ti ₃ SiC ₂ -MoS ₂ Composites Prepared by Spark Plasma Sintering. <i>Tribology Transactions</i> , 2014 , 57, 416-424	1.8	19
126	Formation of Friction Layers in Graphene-Reinforced TiAl Matrix Self-Lubricating Composites. <i>Tribology Transactions</i> , 2015 , 58, 668-678	1.8	19
125	Tribological behavior of TiAl matrix self-lubricating composites reinforced by multilayer graphene. <i>RSC Advances</i> , 2015 , 5, 44618-44625	3.7	18
124	Effects of groove-textured surface combined with Sn-Ag-Cu lubricant on friction-induced vibration and noise of GCr15 bearing steel. <i>Tribology International</i> , 2020 , 148, 106316	4.9	18
123	Effects of surface composite structure with micro-grooves and Sn-Ag-Cu on reducing friction and wear of Ni ₃ Al alloys. <i>Surface and Coatings Technology</i> , 2020 , 387, 125540	4.4	17
122	Fabrication and properties of W-20Cu alloy reinforced by titanium nitride coated SiC fibers. <i>International Journal of Refractory Metals and Hard Materials</i> , 2013 , 41, 60-65	4.1	17

121	Mechanical and tribological behaviors of the tribo-layer with nanocrystalline structure during sliding contact: Experiments and model assessment. <i>Composites Part B: Engineering</i> , 2017 , 108, 354-363	10	17
120	Tribological behavior of a TiAl matrix composite containing 10 wt% Ag investigated at four wear stages. <i>RSC Advances</i> , 2015 , 5, 77885-77896	3.7	16
119	Effect of counterface balls on the friction layer of Ni3Al matrix composites with 1.5 wt% graphene nanoplatelets. <i>Tribology Letters</i> , 2014 , 55, 343-352	2.8	16
118	The Enhanced Tribological Properties of NiAl Intermetallics: Combined Lubrication of Multilayer Graphene and WS ₂ . <i>Tribology Letters</i> , 2014 , 56, 573-582	2.8	16
117	Tribological performance of functionally gradient structure of graphene nanoplatelets reinforced Ni3Al metal matrix composites prepared by laser melting deposition. <i>Wear</i> , 2019 , 428-429, 417-429	3.5	15
116	Tribological Properties of TiAl Matrix Self-Lubricating Composites Containing Multilayer Graphene and Ti3SiC2 at High Temperatures. <i>Tribology Transactions</i> , 2015 , 58, 1131-1141	1.8	15
115	Tribological performance of TiAl matrix composites containing silver and V2O5 nanowires at elevated temperatures. <i>RSC Advances</i> , 2016 , 6, 56294-56302	3.7	15
114	Tribological Behavior of NiAl/1.5 wt% Graphene Composite Under Different Velocities. <i>Tribology Transactions</i> , 2014 , 57, 1044-1050	1.8	15
113	Tribological Performance of Ni3Al Matrix Self-Lubricating Composites Containing Multilayer Graphene Prepared by Additive Manufacturing. <i>Journal of Materials Engineering and Performance</i> , 2018 , 27, 167-175	1.6	14
112	Formation of friction layer of Ni3Al matrix composites with micro- and nano-structure during sliding friction under different loads. <i>Materials Chemistry and Physics</i> , 2014 , 147, 850-859	4.4	14
111	Effect of multiwalled carbon nanotubes on the lubricating properties of TiAl/Ag composites based on the changes in applied loads and testing temperatures. <i>RSC Advances</i> , 2016 , 6, 74269-74277	3.7	14
110	Effects of functionally gradient structure of Ni3Al metal matrix self-lubrication composites on friction-induced vibration and noise and wear behaviors. <i>Tribology International</i> , 2019 , 135, 75-88	4.9	13
109	Investigation of the friction layer of Ni3Al matrix composites. <i>Wear</i> , 2015 , 328-329, 39-49	3.5	13
108	Effect of TiB ₂ on Tribological Properties of TiAl Self-lubricating Composites Containing Ag at Elevated Temperature. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 307-318	1.6	13
107	Tribological behavior of TiAl-multilayer graphene-silver composites at different sliding speeds. <i>Materials Chemistry and Physics</i> , 2018 , 213, 368-373	4.4	12
106	Anti-friction and wear properties of the friction surface of M50-10 wt%(50Sn40Ag10Cu) composite. <i>Journal of Alloys and Compounds</i> , 2018 , 765, 7-17	5.7	12
105	Effect of Ti3SiC2 on Tribological Properties of M50 Matrix Self-Lubricating Composites from 25 to 450 °C. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 4595-4604	1.6	12
104	Tribological Behaviors of NiAl-Ti3SiC2 Self-Lubricating Composites at Elevated Temperatures. <i>Tribology Transactions</i> , 2014 , 57, 589-602	1.8	12

103	Synergetic Lubricating Effect of WS ₂ and Ti ₃ SiC ₂ on Tribological Properties of Ni ₃ Al Matrix Composites at Elevated Temperatures. <i>Tribology Transactions</i> , 2015 , 58, 454-466	1.8	11
102	High-Temperature Tribological Performance of Ti ₃ SiC ₂ /TiAl Self-Lubricating Composite Against Si ₃ N ₄ in Air. <i>Journal of Materials Engineering and Performance</i> , 2014 , 23, 2255-2264	1.6	11
101	Tribological property and frictional noise performance of titanium alloys with SnAgCu and TiC filled into surface dimples. <i>Tribology International</i> , 2020 , 144, 106121	4.9	11
100	Optimization of bionic textured parameter to improve the tribological performance of AISI 4140 self-lubricating composite through response surface methodology. <i>Tribology International</i> , 2021 , 161, 107104	4.9	11
99	Wear rate of a TiAl matrix composite containing 10 wt% Ag predicted using the Newton interpolation method. <i>RSC Advances</i> , 2015 , 5, 67102-67114	3.7	10
98	Tribological Characteristics of NiAl Matrix Composites with 1.5 wt% Graphene at Elevated Temperatures: An Experimental and Theoretical Study. <i>Tribology Transactions</i> , 2015 , 58, 1076-1083	1.8	10
97	Tribological Behavior of TiAl Metal Matrix Composite Brake Disk with TiC Reinforcement Under Dry Sliding Conditions. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 3457-3464	1.6	9
96	Effect of graphene nanoplatelets on tribological properties of titanium alloy matrix composites at varying sliding velocities. <i>Materials Research Express</i> , 2018 , 5, 066507	1.7	9
95	Effect of Ti ₃ SiC ₂ Content on Tribological Behavior of Ni ₃ Al Matrix Self-Lubricating Composites from 25 to 800 °C. <i>Journal of Materials Engineering and Performance</i> , 2014 , 23, 1374-1385	1.6	9
94	Tribological Performance of Ni ₃ Al Self-Lubricating Composites with Different Content of TiC at Elevated Temperature. <i>Tribology Transactions</i> , 2015 , 58, 365-373	1.8	9
93	Influence of Subsurface Micro/Nano-Structural Evolution on Macroscopic Tribological Behavior of Ni ₃ Al Matrix Composites. <i>Tribology Letters</i> , 2015 , 57, 1	2.8	9
92	Fabrication and properties of WC/Co cemented carbide reinforced by multi-walled carbon nanotubes. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 486, 489-495	5.3	9
91	High temperature tribological behavior of textured CSS-42L bearing steel filled with Sn-Ag-Cu-Ti ₃ C ₂ . <i>Tribology International</i> , 2021 , 164, 107205	4.9	9
90	Effects of Friction Layer Thickness on the Tribological Performance of Ni ₃ Al-Ag-MoO ₃ . <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 2313-2321	1.6	8
89	Tribological Properties and Self-Repairing Functionality of Ti ₆ Al ₄ V-Multilayer Graphene-Ag Composites. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 3381-3392	1.6	8
88	Tribological Performance of Ni ₃ Al Matrix Composites Synthesized by Laser Melt Deposition Under Different Scanning Velocities. <i>Journal of Materials Engineering and Performance</i> , 2018 , 27, 1962-1972	1.6	8
87	The Sliding Wear and Friction Behavior of M50-Graphene Self-Lubricating Composites Prepared by Laser Additive Manufacturing at Elevated Temperature. <i>Journal of Materials Engineering and Performance</i> , 2018 , 27, 985-996	1.6	8
86	The study of the preparation and tribological behavior of TiAl matrix composites containing 1 wt% multi-walled carbon nanotubes. <i>RSC Advances</i> , 2016 , 6, 29334-29341	3.7	8

85	Photocatalytic degradation of rhodamine B dye with MWCNT/TiO ₂ /C ₆₀ composites by a hydrothermal method. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011 , 26, 65-69 ¹		8
84	Microstructure and properties of W-15Cu alloys prepared by mechanical alloying and spark plasma sintering process. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2008 , 23, 399-402	1	8
83	Effects of MoS ₂ and Multiwalled Carbon Nanotubes on Tribological Behavior of TiAl Matrix Composite. <i>Journal of Materials Engineering and Performance</i> , 2016 , 25, 1094-1102	1.6	8
82	Tribological Characterization of NiAl Self-Lubricating Composites Containing V ₂ O ₅ Nanowires. <i>Journal of Materials Engineering and Performance</i> , 2016 , 25, 4941-4951	1.6	8
81	Study on the thickness of lubricating film of M50-Ag self-lubricating composites. <i>Lubrication Science</i> , 2019 , 31, 11-20	1.3	8
80	Tribological Behaviors of Ni ₃ Al Intermetallics with MoO ₃ Multilayer Ribbon Crystal Prepared by Spark Plasma Sintering. <i>Acta Metallurgica Sinica (English Letters)</i> , 2017 , 30, 576-584	2.5	7
79	Investigation of Tribological Behaviors of TiAl-Multilayer Graphene-Microsphere Composites at Different Applied Loads. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 2305-2312	1.6	7
78	Enhancing the tribological properties of NiAl based nano-composites for aerospace bearing applications. <i>Materials Research Express</i> , 2019 , 6, 085067	1.7	7
77	Improving the tribological properties of NiAl matrix composites via hybrid lubricants of silver and graphene nano platelets. <i>RSC Advances</i> , 2015 , 5, 61554-61561	3.7	7
76	Tribological Performance of NiAl Self-lubricating Matrix Composite with Addition of Graphene at Different Loads. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 2866-2874	1.6	7
75	A Study of the Frictional Layer of TiAl-12Ag-5TiB ₂ Composite During Dry Sliding Wear. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 2875-2884	1.6	7
74	Synthesis and characterization of F-N-W-codoped TiO ₂ photocatalyst with enhanced visible light response. <i>Materials Research Bulletin</i> , 2012 , 47, 4347-4352	5.1	7
73	Fabrication and properties of W ₂₀ Cu alloy reinforced by titanium coated carbon fibers. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 8353-8358	5.3	7
72	Photocatalytic degradation of rhodamine B Dye with high purity anatase nano-TiO ₂ synthesized by a hydrothermal method. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011 , 26, 600 ¹ -605		7
71	The Sliding Wear and Frictional Behavior of M50-10 wt.%(Sn-Ag-Cu) Self-Lubricating Materials at Elevated Temperatures. <i>Journal of Materials Engineering and Performance</i> , 2018 , 27, 4291-4299	1.6	7
70	Tribological Performance of Ni ₃ Al Matrix Self-Lubricating Composites Containing Multilayer Graphene and Ti ₃ SiC ₂ at Elevated Temperatures. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 4605-4614	1.6	6
69	Tribological performance of Ni ₃ Al matrix composites with MoO ₃ tabular crystal under different sliding speed. <i>Materials Chemistry and Physics</i> , 2017 , 200, 85-92	4.4	6
68	Influence of Lubricants on Wear and Self-Lubricating Mechanisms of Ni ₃ Al Matrix Self-Lubricating Composites. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 280-295	1.6	6

67	Enhanced photocatalytic activity of titanium dioxide by nut shell carbon. <i>Journal of Hazardous Materials</i> , 2009 , 167, 692-5	12.8	6
66	Effects of Textured Surface Combined with Sn-Ag-Cu Coating on Tribological Properties and Friction-Induced Noise of Ti-6Al-4V Alloy. <i>Tribology Transactions</i> , 2021 , 64, 562-577	1.8	6
65	Tribological Performance of Gradient Ag-Multilayer Graphene/TC4 Alloy Self-Lubricating Composites Prepared By Laser Additive Manufacturing. <i>Tribology Transactions</i> , 2021 , 64, 819-829	1.8	6
64	Improving Tribological Performance of Inconel 625 by Combining Groove-Textured Surfaces with Sn-Ag-Cu Solid Lubricant. <i>Journal of Materials Engineering and Performance</i> , 2021 , 30, 154-164	1.6	6
63	Dry Sliding Wear of TiAl-Graphene-Silver Composite at Elevated Temperatures. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 4615-4625	1.6	5
62	Reducing friction noise of M50 matrix composites by adding Ti ₃ SiC ₂ . <i>Materials Research Express</i> , 2019 , 6, 076510	1.7	5
61	Research on the Thickness of the Friction Layer of Ni ₃ Al Matrix Composites with Graphene Nanoplatelets. <i>Tribology Letters</i> , 2015 , 59, 1	2.8	5
60	Tribological and friction-induced vibration and noise performance of Ti6Al4V-multilayer graphene self-lubricating composites. <i>Materials Research Express</i> , 2018 , 5, 096511	1.7	5
59	Study on Tribological Performance of NiAl Matrix Self-Lubricating Composites Containing Graphene at Different Loads. <i>Tribology Transactions</i> , 2017 , 60, 1043-1052	1.8	5
58	Tribological Behavior of TiAl Matrix Composites with MoO ₃ Tabular Crystal. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 4482-4487	1.6	5
57	Properties, phases and microstructure of microwave sintered W-20Cu composites from spray pyrolysis/continuous reduction processed powders. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012 , 27, 38-44	1	5
56	Effect of TiC coated MWCNT content on friction and wear behavior of MWCNT/Ti ₃ SiC ₂ composites. <i>Materials Research Bulletin</i> , 2013 , 48, 315-323	5.1	5
55	Tribological properties and self-compensating lubrication mechanisms of Ni ₃ Al matrix bio-inspired shell-like composite structure. <i>Applied Surface Science</i> , 2022 , 573, 151462	6.7	5
54	Effects of groove-textured surfaces with Sn-Ag-Cu and MXene-Ti ₃ C ₂ on tribological performance of CSS-42L bearing steel in solid-liquid composite lubrication system. <i>Tribology International</i> , 2021 , 161, 107099	4.9	5
53	Tribological Performance and Self-Lubricating Film Formation Mechanism of TiAl-Based Composites at Elevated Temperatures. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 268-276	1.6	4
52	Effect of elastic and plastic deformations on tribological behavior of graphene-reinforced Ni ₃ Al matrix composites. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2018 , 232, 1261-1272	1.4	4
51	Effect of Applied Load and Sliding Speed on Tribological Behavior of TiAl-Based Self-Lubricating Composites. <i>Journal of Materials Engineering and Performance</i> , 2018 , 27, 194-201	1.6	4
50	Tribological properties of TiAl-Ti ₃ SiC ₂ composites. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2014 , 29, 256-263	1	4

49	Effect of Hardness Ratio on the Wear Performance and Subsurface Evolution of Ni3Al Matrix Composites. <i>Tribology Transactions</i> , 2017 , 60, 902-912	1.8	4
48	Investigation of mechanical and tribological properties of tribo-layer of Ni3Al matrix composites. <i>Lubrication Science</i> , 2016 , 28, 407-422	1.3	4
47	Microstructure and Functional Mechanism of Friction Layer in Ni3Al Matrix Composites with Graphene Nanoplatelets. <i>Journal of Materials Engineering and Performance</i> , 2016 , 25, 4126-4133	1.6	4
46	Tribological Behavior of M50-Sn-Ag-Cu Composites with Curved Microchannels. <i>Journal of Materials Engineering and Performance</i> , 2020 , 29, 2190-2201	1.6	4
45	Tribological Performance of M50-Ag-TiC Self-Lubricating Composites at Elevated Temperature. <i>Journal of Materials Engineering and Performance</i> , 2018 , 27, 3731-3741	1.6	4
44	Tribological Behavior of TiAl Matrix Composites with Different Contents of Multilayer Graphene. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 2776-2783	1.6	3
43	Investigation of Mechanical and Tribological Performance of Ti6Al4V-Based Self-Lubricating Composites with Different Microporous Channel Parameters. <i>Journal of Materials Engineering and Performance</i> , 2020 , 29, 3995-4008	1.6	3
42	Synthesis and characterization of W-doped TiO2 supported by hybrid carbon nanomaterials of multi-walled carbon nanotubes and C60 fullerene by a hydrothermal method. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013 , 28, 207-214	1	3
41	Tribological Behavior of Surface Bionic Rhombic-Textured M50 Steel Containing SnAgCu and MXene-Nb2C under Dry Sliding Conditions. <i>Journal of Materials Engineering and Performance</i> , 2021 , 30, 1025-1034	1.6	3
40	Effect of MoO3 Tabular Crystals on TiAl Matrix Composites under Different Test Loads. <i>Tribology Transactions</i> , 2017 , 60, 575-580	1.8	2
39	Effect of different microporous parameters on mechanical and frictional properties of M50 self-lubricating materials: simulation analysis and experimental study. <i>Materials Research Express</i> , 2019 , 6, 056502	1.7	2
38	Fabrication and properties of tungsten-copper alloy reinforced by titanium-coated silicon carbide whiskers. <i>Journal of Composite Materials</i> , 2015 , 49, 1589-1597	2.7	2
37	Synthesis and tribological behaviors of Ti3SiC2 material prepared by vacuum sintering technique. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013 , 28, 417-424	1	2
36	Microwave sintering of W-15Cu ultrafine composite powder prepared by spray drying & calcining-continuous reduction technology. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011 , 26, 280-283	1	2
35	Effects of activated sintering process on properties and microstructure of W-15Cu alloy. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2010 , 25, 909-913	1	2
34	Effects of groove-textured surfaces filled with Sn-Ag-Cu and MXene-Ti3C2 composite lubricants on tribological properties of CSS-42L bearing steel. <i>Friction</i> , 2021 , 10, 1025-1034	5.6	2
33	Synergetic Effects of Biomimetic Microtexture With Multi-solid Lubricants to Improve Tribological Properties of AISI 4140 Steel. <i>Tribology International</i> , 2021 , 107395	4.9	2
32	The Research on the Bionic Friction Layers of TiAl-10wt.%V2O5 Nanowires at the Applied Loads of 6-24 N. <i>Journal of Materials Engineering and Performance</i> , 2016 , 25, 5391-5399	1.6	2

31	Effect of Silver and Carbon Fiber on the Tribological Properties of M50 Matrix Composites Under Different Loads. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 1094-1102	1.6	2
30	Effects of frictional heat on the tribological properties of Ni3Al matrix self-lubricating composite containing graphene nanoplatelets under different loads. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2018 , 232, 645-656	1.4	2
29	Effects of friction layer characteristics on the tribological properties of Ni3Al solid-lubricating composites at different load conditions. <i>Materials Research Express</i> , 2018 , 5, 056527	1.7	2
28	Tribological performance of Ti3SiC2 enhanced Ni3Al matrix composites. <i>Materials Research Express</i> , 2018 , 5, 066528	1.7	2
27	Tribological Behaviors and Friction-Induced Vibration and Noise Performance of TC4 with Bionic Coating Prepared by Laser Additive Manufacturing. <i>Journal of Materials Engineering and Performance</i> ,1	1.6	2
26	A Study of the Tribological Behavior of TiAl-10 wt.%Ag Composite Based on the Contact Stress Evolution. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 1251-1261	1.6	1
25	Study on Tribological and Friction Noise Performance of Ti6Al4V Self-lubricating Composites. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 6063-6072	1.6	1
24	Effects of wear characteristics of Ni3Al metal matrix self-lubrication composites on friction-induced vibration and noise properties. <i>Materials Research Express</i> , 2019 , 6, 056539	1.7	1
23	A study of the friction layer of TiAl-10 wt.% Ag composite and the prediction model of friction and wear behaviors. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2018 , 232, 699-710	1.4	1
22	Study on the Antifriction and Antiwear Mechanisms of MoO3 Tabular Crystal in TiAl Matrix Composites. <i>Journal of Materials Engineering and Performance</i> , 2016 , 25, 5374-5381	1.6	1
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