

Yuchun Huang

List of Publications by Year in Descending Order

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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.

31
papers

185
citations

8
h-index

11
g-index

31
ext. papers

214
ext. citations

2.1
avg, IF

2.75
L-index

#	Paper	IF	Citations
31	Microstructure, Tribological Behavior, and Strengthening Mechanisms of the Friction Interface Layer with Nanocrystalline Structure of Ni ₃ Al Matrix Self-lubricating Composites. <i>Journal of Materials Engineering and Performance</i> , 2020 , 29, 3757-3766	1.6	1
30	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
29	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
28	Tribological Performance of Ni ₃ Al 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
27	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
26	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
25	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
24	Effects of frictional heat on the tribological properties of Ni ₃ Al 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
23	Effects of friction layer characteristics on the tribological properties of Ni ₃ Al solid-lubricating composites at different load conditions. <i>Materials Research Express</i> , 2018 , 5, 056527	1.7	2
22	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
21	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
20	Effect of MoO ₃ Tabular Crystals on TiAl Matrix Composites under Different Test Loads. <i>Tribology Transactions</i> , 2017 , 60, 575-580	1.8	2
19	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
18	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
17	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
16	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
15	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

14	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
13	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
12	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
11	Tribological Performance of Ni3Al Matrix Self-Lubricating Composites Containing Multilayer Graphene and Ti3SiC2 at Elevated Temperatures. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 4605-4614	1.6	6
10	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
9	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
8	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
7	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
6	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
5	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
4	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
3	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
2	Tribological Characterization of NiAl Self-Lubricating Composites Containing V2O5 Nanowires. <i>Journal of Materials Engineering and Performance</i> , 2016 , 25, 4941-4951	1.6	8
1	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