

Yuchun Huang

List of Publications by Year in descending order

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papers

236
citations

933264

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31
docs citations

31
times ranked

136
citing authors

#	ARTICLE	IF	CITATIONS
1	Tribological performance of TiAl matrix composites containing silver and V ₂ O ₅ nanowires at elevated temperatures. RSC Advances, 2016, 6, 56294-56302.	1.7	17
2	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.	5.9	17
3	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.	1.2	16
4	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.	1.2	13
5	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.	1.2	13
6	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.	2.0	12
7	Effect of Ti ₃ SiC ₂ on Tribological Properties of M50 Matrix Self-Lubricating Composites from 25 to 450°C. Journal of Materials Engineering and Performance, 2017, 26, 4595-4604.	1.2	12
8	Tribological Characterization of NiAl Self-Lubricating Composites Containing V ₂ O ₅ Nanowires. Journal of Materials Engineering and Performance, 2016, 25, 4941-4951.	1.2	11
9	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.	1.7	11
10	Effects of Friction Layer Thickness on the Tribological Performance of Ni ₃ Al-Ag-MoO ₃ . Journal of Materials Engineering and Performance, 2017, 26, 2313-2321.	1.2	10
11	Tribological Performance of Ni ₃ Al Matrix Self-Lubricating Composites Containing Multilayer Graphene and Ti ₃ SiC ₂ at Elevated Temperatures. Journal of Materials Engineering and Performance, 2017, 26, 4605-4614.	1.2	10
12	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.	1.2	10
13	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.	1.2	9
14	Tribological Behaviors of Ni ₃ Al Intermetallics with MoO ₃ Multilayer Ribbon Crystal Prepared by Spark Plasma Sintering. Acta Metallurgica Sinica (English Letters), 2017, 30, 576-584.	1.5	7
15	Investigation of Tribological Behaviors of TiAl-Multilayer Graphene-Microsphere Composites at Different Applied Loads. Journal of Materials Engineering and Performance, 2017, 26, 2305-2312.	1.2	7
16	Study on Tribological Performance of NiAl Matrix Self-Lubricating Composites Containing Graphene at Different Loads. Tribology Transactions, 2017, 60, 1043-1052.	1.1	7
17	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.	1.2	5
18	Dry Sliding Wear of TiAl-Graphene-Silver Composite at Elevated Temperatures. Journal of Materials Engineering and Performance, 2017, 26, 4615-4625.	1.2	5

#	ARTICLE	IF	CITATIONS
19	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.	1.2	5
20	Tribological Performance of M50-Ag-TiC Self-Lubricating Composites at Elevated Temperature. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 3731-3741.	1.2	5
21	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.	1.2	4
22	Tribological Behavior of $\hat{1}^3$ -TiAl Matrix Composites with Different Contents of Multilayer Graphene. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 2776-2783.	1.2	4
23	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.	1.2	4
24	Effect of elastic and plastic deformations on tribological behavior of graphene-reinforced Ni3Al matrix composites. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2018, 232, 1261-1272.	1.0	4
25	The Research on the Bionic Friction Layers of TiAl-10wt.%V2O5 Nanowires at the Applied Loads of 6-24N. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 5391-5399.	1.2	3
26	A study of the friction layer of TiAl-10wt.% 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.	1.0	3
27	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.	1.0	3
28	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.	0.8	3
29	Microstructure, Tribological Behavior, and Strengthening Mechanisms of the Friction Interface Layer with Nanocrystalline Structure of Ni3Al Matrix Self-lubricating Composites. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 3757-3766.	1.2	3
30	Effect of MoO3 Tabular Crystals on TiAl Matrix Composites under Different Test Loads. <i>Tribology Transactions</i> , 2017, 60, 575-580.	1.1	2
31	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.	1.2	1