

Yangzhen Liu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Tribological behavior comparisons of high chromium stainless and mild steels against high-speed steel and ceramics at high temperatures. <i>Friction</i> , 2022, 10, 436-453.	6.4	9
2	Effect of impact angle on wear behavior of Mo ₂ NiB ₂ -Ni cermets with different Ni content. <i>Ceramics International</i> , 2022, 48, 16944-16955.	4.8	6
3	First-principles calculations study the mechanical and thermal properties of Cr-Al-B ternary borides. <i>Solid State Communications</i> , 2021, 326, 114182.	1.9	16
4	Effect of Fe ₂ B orientation morphology on high temperature erosion-wear behavior of Fe-B alloy in liquid zinc. <i>Wear</i> , 2021, 484-485, 204038.	3.1	6
5	Two-Body Abrasion Behaviors Characterization of White Cast Iron with Various Chromium Concentrations. <i>Tribology Transactions</i> , 2020, 63, 519-527.	2.0	8
6	Phase stability, mechanical properties and electronic structures of Ti-Al binary compounds by first principles calculations. <i>Materials Chemistry and Physics</i> , 2019, 221, 311-321.	4.0	57
7	Effect of graphite morphology on the tensile strength and thermal conductivity of cast iron. <i>Materials Characterization</i> , 2018, 144, 155-165.	4.4	40
8	Structural stability, mechanical properties, electronic structures and thermal properties of XS (X =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 <i>Physics</i> , 2017, 381, 2648-2657.	2.1	20
9	Effect of carbon equivalent on thermal and mechanical properties of compacted graphite cast iron. <i>Journal of Materials Research</i> , 2016, 31, 2516-2523.	2.6	9
10	Mechanical properties and electronic structures of M ₂ 3C ₆ (M=Fe, Cr, Mn)-type multicomponent carbides. <i>Journal of Alloys and Compounds</i> , 2015, 648, 874-880.	5.5	53
11	First principles study the stability and mechanical properties of MC (M=Ti, V, Zr, Nb, Hf and Ta) compounds. <i>Journal of Alloys and Compounds</i> , 2014, 582, 500-504.	5.5	142