Yangzhen Liu

List of Publications by Year
in descending order

11	366	1163117 8	1281871 11
papers	citations	h-index	g-index

11	11	11	316
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	First principles study the stability and mechanical properties of MC (M=Ti, V, Zr, Nb, Hf and Ta) compounds. Journal of Alloys and Compounds, 2014, 582, 500-504.	5.5	142
2	Phase stability, mechanical properties and electronic structures of Ti Al binary compounds by first principles calculations. Materials Chemistry and Physics, 2019, 221, 311-321.	4.0	57
3	Mechanical properties and electronic structures of M23C6 (MÂ=ÂFe, Cr, Mn)-type multicomponent carbides. Journal of Alloys and Compounds, 2015, 648, 874-880.	5.5	53
4	Effect of graphite morphology on the tensile strength and thermal conductivity of cast iron. Materials Characterization, 2018, 144, 155-165.	4.4	40
5	Structural stability, mechanical properties, electronic structures and thermal properties of XS (X =) Tj ETQq1 1 0.784314 rgBT /Overlo Physics, 2017, 381, 2648-2657.	2.1	20
6	First-principles calculations study the mechanical and thermal properties of Crâ€“Alâ€“B ternary borides. Solid State Communications, 2021, 326, 114182.	1.9	16
7	Effect of carbon equivalent on thermal and mechanical properties of compacted graphite cast iron. Journal of Materials Research, 2016, 31, 2516-2523.	2.6	9
8	Tribological behavior comparisons of high chromium stainless and mild steels against high-speed steel and ceramics at high temperatures. Friction, 2022, 10, 436-453.	6.4	9
9	Two-Body Abrasion Behaviors Characterization of White Cast Iron with Various Chromium Concentrations. Tribology Transactions, 2020, 63, 519-527.	2.0	8
10	Effect of Fe2B orientation morphology on high temperature erosion-wear behavior of Feâ€“B alloy in liquid zinc. Wear, 2021, 484-485, 204038.	3.1	6
11	Effect of impact angle on wear behavior of Mo2NiB2â€“Ni cermets with different Ni content. Ceramics International, 2022, 48, 16944-16955.	4.8	6