

Liang Yongchao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Influence of cluster correlation on nanoclusters in Fe-Ni amorphous alloys. Journal of Alloys and Compounds, 2022, 891, 161953.	5.5	14
2	Microstructure evolution and plastic deformation of Ni ₄₇ Co ₅₃ alloy under tension. CrystEngComm, 2022, 24, 893-900.	2.6	1
3	Effect of topologically close-packed clusters on glass-forming ability of rapidly supercooled MgCuY alloy. Journal of Materials Research and Technology, 2022, 18, 5053-5061.	5.8	8
4	Study on Si-like and topologically close-packed structures during rapid solidification of Au-Si alloys. Journal of Non-Crystalline Solids, 2021, 563, 120787.	3.1	4
5	Microstructure Evolution of Ni-Co Alloys During Crystallization and Amorphization Process. Journal of Superconductivity and Novel Magnetism, 2021, 34, 3377-3383.	1.8	0
6	The effect of HCP on the formation of twin boundaries and dislocations in Ni-Co alloys. Current Applied Physics, 2021, 29, 18-23.	2.4	3
7	New phase transition pattern of fivefold twins transformed into lamellar structure in Ti ₃ Al alloy. CrystEngComm, 2021, 23, 6800-6809.	2.6	2
8	Correlation between the topologically close-packed structure and the deformation behavior of metallic Cu _{64.5} Zr _{35.5} . Physical Chemistry Chemical Physics, 2021, 23, 25933-25943.	2.8	8
9	Study on topologically close-packed and crystal clusters of Cu ₁₀ Ag ₉₀ alloy at the critical crystalline cooling rate. CrystEngComm, 2020, 22, 7888-7895.	2.6	7
10	MD simulation on crystallization mechanisms of rapidly supercooled Fe-Ni alloys. Journal of Crystal Growth, 2020, 535, 125533.	1.5	13
11	MD study on topologically close-packed and configuration entropy of Mg ₄₀ Al ₆₀ metallic glasses under rapid solidification. Journal of Non-Crystalline Solids, 2019, 522, 119578.	3.1	5
12	Effect of composition on the microstructure of Mg(100-x)Cu x alloys during rapid solidification. Materials Research Express, 2019, 6, 115216.	1.6	0
13	Icosahedron-forming ability of MgZn alloys studied by molecular dynamics simulations. Journal of Alloys and Compounds, 2017, 700, 61-66.	5.5	11
14	Structural evolutions and hereditary characteristics of icosahedral nano-clusters formed in Mg ₇₀ Zn ₃₀ alloys during rapid solidification processes. Scientific Reports, 2017, 7, 43111.	3.3	11
15	Molecular dynamics study on microstructural evolution during crystallization of rapidly supercooled zirconium melts. Journal of Alloys and Compounds, 2016, 688, 654-665.	5.5	38
16	Cooling rate dependence of polymorph selection during rapid solidification of liquid metal zinc. Transactions of Nonferrous Metals Society of China, 2015, 25, 4072-4079.	4.2	15
17	Influence of icosahedral order on the second peak splitting of pair distribution function for Mg ₇₀ Zn ₃₀ metallic glass. Journal of Alloys and Compounds, 2014, 597, 269-274.	5.5	45