Guang Yang

List of Publications by Year
in descending order

17	196	1478505 6	1058476 14
papers	citations	h-index	g-index

17	17	17	121
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microstructure control of Ti 45Al 8.5Nb (W, B, Y) alloy during the solidification process. Acta Materialia, 2016, 112, 121-131.	7.9	62
2	In-situ investigation on the Î² to Î± phase transformation in Tiâ€“45Alâ€“8.5Nbâ€“(W, B, Y) alloy. Journal of Alloys and Compounds, 2016, 663, 594-600.	5.5	39
3	Phase precipitation behavior of a quenched Î²-solidifying TiAl alloy with a fully-B2 microstructure during annealing at 800Â°C. Journal of Alloys and Compounds, 2020, 812, 152118.	5.5	20
4	Multi-step heat treatment design for nano-scale lamellar structures of a cast Ti-45Al-8.5Nb-(W, B, Y) alloy. Intermetallics, 2016, 79, 35-40.	3.9	14
5	Characterization of a New Microstructure in a Î²-Solidifying TiAl Alloy after Air-Cooling from a Î² Phase Field and Subsequent Tempering. Metals, 2018, 8, 156.	2.3	14
6	Microstructure and Metastable Phase in Rapidly Solidified TiAl Alloy Prepared by Vacuum Suction Casting. Crystal Research and Technology, 2019, 54, 1900054.	1.3	7
7	Microstructure refinement of Ti-40Al-8Nb alloys via the decomposition of the metastable B2 phase at 1000ÂÂ°C. Journal of Alloys and Compounds, 2020, 838, 155575.	5.5	7
8	Effect of pre-deformation in the Î² phase field on the microstructure and texture of the Î± phase in a boron-added Î²-solidifying TiAl alloy. Journal of Alloys and Compounds, 2018, 742, 304-311.	5.5	6
9	Deformation Behavior of a Î²-Solidifying TiAl Alloy within Î² Phase Field and Its Effect on the Î²â†’Î± Transformation. Metals, 2018, 8, 605.	2.3	5
10	Microstructural Refinement of a Tiâ€40Alâ€8Nbâ€0.5B Alloy by Hot Deformation Within (Î±+Î²) Phase Field and Subsequent Tempering. Advanced Engineering Materials, 2019, 21, 1900239.	3.5	5
11	Origin of Inhomogeneous Microstructure in Asâ€Cast Tiâ€“45Alâ€“8.5Nbâ€“(W, B, Y) Alloy at Different Cooling Rates. Advanced Engineering Materials, 2016, 18, 1645-1650.	3.5	4
12	Feathery Microstructure Formation of Ti48Al2Cr2Nb Alloy by Rapidly Quenched Solidification. Crystal Research and Technology, 2018, 53, 1800041.	1.3	4
13	Responses of microstructure and texture of Î± phase to boron addition in Ti-40Al-8Nb-xB alloys modified by hot deformation above the Î² transus. Materials Characterization, 2019, 153, 148-156.	4.4	3
14	Microstructural feature dependence of dry sliding wear behaviors in a Î³-TiAl alloy. Wear, 2021, 484-485, 204039.	3.1	3
15	Phase transformation behavior of Tiâ€“40Alâ€“8Nb alloys with a submicron (Ï‰0+Î³) microstructure during tempering at 1000ÂÂ°C. Journal of Materials Research and Technology, 2022, 18, 315-324.	5.8	2
16	Effect of Deformation Temperature on the Microstructure Characteristics of Î± Phase in Tiâ€40Alâ€8Nbâ€0.5B Alloys. Crystal Research and Technology, 2020, 55, 1900183.	1.3	1
17	Hot Deformation Behavior of a Ti-40Al-10V Alloy with Quenching-Tempering Microstructure. Materials, 2018, 11, 872.	2.9	0