

# Guang Yang

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Phase transformation behavior of Ti-40Al-8Nb alloys with a submicron ( $\beta$ ) microstructure during tempering at 1000°C. Journal of Materials Research and Technology, 2022, 18, 315-324.	5.8	2
2	Microstructural feature dependence of dry sliding wear behaviors in a $\beta$ -TiAl alloy. Wear, 2021, 484-485, 204039.	3.1	3
3	Phase precipitation behavior of a quenched $\beta$ -solidifying TiAl alloy with a fully-B2 microstructure during annealing at 800°C. Journal of Alloys and Compounds, 2020, 812, 152118.	5.5	20
4	Microstructure refinement of Ti-40Al-8Nb alloys via the decomposition of the metastable B2 phase at 1000°C. Journal of Alloys and Compounds, 2020, 838, 155575.	5.5	7
5	Effect of Deformation Temperature on the Microstructure Characteristics of $\beta$ Phase in Ti-40Al-8Nb-0.5B Alloys. Crystal Research and Technology, 2020, 55, 1900183.	1.3	1
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	Microstructural Refinement of a Ti-40Al-8Nb-0.5B Alloy by Hot Deformation Within ( $\beta$ ) Phase Field and Subsequent Tempering. Advanced Engineering Materials, 2019, 21, 1900239.	3.5	5
8	Responses of microstructure and texture of $\beta$ phase to boron addition in Ti-40Al-8Nb-xB alloys modified by hot deformation above the $\beta$ transus. Materials Characterization, 2019, 153, 148-156.	4.4	3
9	Effect of pre-deformation in the $\beta$ phase field on the microstructure and texture of the $\beta$ phase in a boron-added $\beta$ -solidifying TiAl alloy. Journal of Alloys and Compounds, 2018, 742, 304-311.	5.5	6
10	Deformation Behavior of a $\beta$ -Solidifying TiAl Alloy within $\beta$ Phase Field and Its Effect on the $\beta$ to $\beta'$ Transformation. Metals, 2018, 8, 605.	2.3	5
11	Feathery Microstructure Formation of Ti-48Al-2Cr-2Nb Alloy by Rapidly Quenched Solidification. Crystal Research and Technology, 2018, 53, 1800041.	1.3	4
12	Hot Deformation Behavior of a Ti-40Al-10V Alloy with Quenching-Tempering Microstructure. Materials, 2018, 11, 872.	2.9	0
13	Characterization of a New Microstructure in a $\beta$ -Solidifying TiAl Alloy after Air-Cooling from a $\beta$ Phase Field and Subsequent Tempering. Metals, 2018, 8, 156.	2.3	14
14	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
15	Origin of Inhomogeneous Microstructure in As-Cast Ti-45Al-8.5Nb-(W, B, Y) Alloy at Different Cooling Rates. Advanced Engineering Materials, 2016, 18, 1645-1650.	3.5	4
16	Microstructure control of Ti-45Al-8.5Nb-(W, B, Y) alloy during the solidification process. Acta Materialia, 2016, 112, 121-131.	7.9	62
17	In-situ investigation on the $\beta$ to $\beta'$ phase transformation in Ti-45Al-8.5Nb-(W, B, Y) alloy. Journal of Alloys and Compounds, 2016, 663, 594-600.	5.5	39