

Zitong Gao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Newly Generated Nearly Lamellar Microstructure in Cast Ti-48Al-2Nb-2Cr Alloy for High-Temperature Strengthening. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 5839-5852.	1.1	23
2	Evolution and micromechanical properties of interface structures in TiNb/TiAl composites prepared by powder metallurgy. Journal of Materials Science, 2020, 55, 12421-12433.	1.7	19
3	Grain refinement of 1 at.% Ta-containing cast TiAl-based alloy by cyclic air-cooling heat treatment. Materials Letters, 2020, 274, 127940.	1.3	17
4	Continuous-Cooling-Transformation (CCT) Behaviors and Fine-Grained Nearly Lamellar (FGNL) Microstructure Formation in a Cast Ti-48Al-4Nb-2Cr Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 5285-5295.	1.1	16
5	Continuous cooling transformation (CCT) behavior of a high Nb-containing TiAl alloy. Materialia, 2019, 5, 100169.	1.3	13
6	High temperature micromechanical behavior of Ti ₂ AlN particle reinforced TiAl based composites investigated by in-situ high-energy X-ray diffraction. Materials and Design, 2021, 212, 110225.	3.3	13
7	Performance assessment of TiNb/TiAl composites with different fiber structural characteristics. Journal of Materials Research and Technology, 2021, 11, 2265-2276.	2.6	12
8	Metastable transformation behavior in a Ta-containing TiAl-Nb alloy during continuous cooling. Journal of Alloys and Compounds, 2022, 904, 164088.	2.8	11
9	Creep-Induced Phase Instability and Microstructure Evolution of a Nearly Lamellar Ti-45Al-8.5Nb-(W, Tj) Eutectoid Alloy. Journal of Materials Research and Technology, 2021, 11, 1135-1141.	2.6	7
10	Microstructure refinement assisted by β -recrystallization in a peritectic TiAl alloy. Journal of Materials Research and Technology, 2021, 11, 1135-1141.	2.6	7
11	Plasma electrolytic deposition of β -Al ₂ O ₃ on TiNb fibres and their mechanical properties. Ceramics International, 2021, 47, 32915-32926.	2.3	6
12	Phase transformation pathway and microstructural refinement by feathery transformation of Ru-containing β -TiAl alloy. Journal of Materials Research and Technology, 2022, 18, 5290-5300.	2.6	6
13	Microstructure evolution and mechanical properties of a novel β phase-strengthened Ir-W-Al-Th superalloy. Rare Metals, 2021, 40, 3588-3597.	3.6	5
14	Effects of Ru content on phase transformation and compression property of cast TiAl alloys. China Foundry, 2020, 17, 393-401.	0.5	5
15	Fabrication and Microstructure Optimization of TiAl Castings Using a Combined Melting/Pouring/Heat Treatment Device. International Journal of Metalcasting, 2021, 15, 890-898.	1.5	3
16	High temperature micro-deformation behavior of continuous TiNb fiber reinforced TiAl matrix composite investigated by in-situ high-energy X-ray diffraction. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 846, 143255.	2.6	2
17	A novel β eutectoid decomposition in the Ru-containing β -TiAl alloys. Materials Letters, 2021, 305, 130762.	1.3	0