

# Zitong Gao

## List of Publications by Year in descending order

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papers

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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. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019, 50, 5839-5852.	2.2	23
2	Evolution and micromechanical properties of interface structures in TiNb/TiAl composites prepared by powder metallurgy. <i>Journal of Materials Science</i> , 2020, 55, 12421-12433.	3.7	19
3	Grain refinement of 1 at.% Ta-containing cast TiAl-based alloy by cyclic air-cooling heat treatment. <i>Materials Letters</i> , 2020, 274, 127940.	2.6	17
4	Continuous-Cooling-Transformation (CCT) Behaviors and Fine-Grained Nearly Lamellar (FGNL) Microstructure Formation in a Cast Ti-48Al-4Nb-2Cr Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 5285-5295.	2.2	16
5	Continuous cooling transformation (CCT) behavior of a high Nb-containing TiAl alloy. <i>Materialia</i> , 2019, 5, 100169.	2.7	13
6	High temperature micromechanical behavior of Ti <sub>2</sub> AlN particle reinforced TiAl based composites investigated by in-situ high-energy X-ray diffraction. <i>Materials and Design</i> , 2021, 212, 110225.	7.0	13
7	Performance assessment of TiNb/TiAl composites with different fiber structural characteristics. <i>Journal of Materials Research and Technology</i> , 2021, 11, 2265-2276.	5.8	12
8	Metastable transformation behavior in a Ta-containing TiAl-Nb alloy during continuous cooling. <i>Journal of Alloys and Compounds</i> , 2022, 904, 164088.	5.5	11
9	Creep-Induced Phase Instability and Microstructure Evolution of a Nearly Lamellar Ti-45Al-8.5Nb-(W, Tj) Eutectoid Alloy. <i>Journal of Materials Research and Technology</i> , 2021, 11, 1135-1141.	2.9	9
10	Microstructure refinement assisted by $\beta$ -recrystallization in a peritectic TiAl alloy. <i>Journal of Materials Research and Technology</i> , 2021, 11, 1135-1141.	5.8	7
11	Plasma electrolytic deposition of $\beta$ -Al <sub>2</sub> O <sub>3</sub> on TiNb fibres and their mechanical properties. <i>Ceramics International</i> , 2021, 47, 32915-32926.	4.8	6
12	Phase transformation pathway and microstructural refinement by feathery transformation of Ru-containing $\beta$ -TiAl alloy. <i>Journal of Materials Research and Technology</i> , 2022, 18, 5290-5300.	5.8	6
13	Microstructure evolution and mechanical properties of a novel $\beta$ phase-strengthened Ir-W-Al-Th superalloy. <i>Rare Metals</i> , 2021, 40, 3588-3597.	7.1	5
14	Effects of Ru content on phase transformation and compression property of cast TiAl alloys. <i>China Foundry</i> , 2020, 17, 393-401.	1.4	5
15	Fabrication and Microstructure Optimization of TiAl Castings Using a Combined Melting/Pouring/Heat Treatment Device. <i>International Journal of Metalcasting</i> , 2021, 15, 890-898.	1.9	3
16	High temperature micro-deformation behavior of continuous TiNb fiber reinforced TiAl matrix composite investigated by in-situ high-energy X-ray diffraction. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 846, 143255.	5.6	2
17	A novel $\beta$ eutectoid decomposition in the Ru-containing $\beta$ -TiAl alloys. <i>Materials Letters</i> , 2021, 305, 130762.	2.6	0