## CITATION REPORT List of articles citing

The Science, Technology, and Implementation of TiAl Alloys in Commercial Aircraft Engines

DOI: 10.1557/opl.2013.44 Materials Research Society Symposia Proceedings, 2013, 1516, 49-58.

Source: https://exaly.com/paper-pdf/55929914/citation-report.pdf

Version: 2024-04-19

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
151	ffects of Carbon Content, Annealing Condition and Internal Defects on the nucleation, growth and coarsening of P-type Carbides in High Niobium Containing TiAl Alloys. <i>Materials Research Society Symposia Proceedings</i> , <b>2014</b> , 1760, 61		
150	Investigations on processing powder metallurgical high-Nb TiAl alloy sheets. <i>Intermetallics</i> , <b>2014</b> , 55, 80-89	3.5	32
149	Effects of environment on dry sliding wear of powder metallurgical Ti-47Al-2Cr-2Nb-0.2W. <i>Intermetallics</i> , <b>2014</b> , 53, 10-19	3.5	21
148	Conditions for CET in a gamma TiAl alloy. <b>2015</b> , 84, 012088		2
147	In Situ High-Energy X-ray Diffraction during Hot-Forming of a Multiphase TiAl Alloy. <b>2015</b> , 5, 2252-2265		16
146	Effects of Al Content and Addition of Third Element on Fabrication of Ti-Al Intermetallic Coatings by Heat Treatment of Warm-Sprayed Precursors. <b>2015</b> , 24, 749-757		1
145	Nucleation and thermal stability of carbide precipitates in high Nb containing TiAl alloys. <i>Intermetallics</i> , <b>2015</b> , 66, 111-119	3.5	21
144	Correlations between microstructure and room temperature tensile behavior of a duplex TNB alloy for systematically heat treated samples. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2015</b> , 635, 13-22	5.3	15
143	Advances in processing of NiAl intermetallic alloys and composites for high temperature aerospace applications. <b>2015</b> , 79, 136-146		101
142	Experimental Research on the Electrochemical Machinability of selected ETiAl alloys for the Manufacture of Future Aero Engine Components. <b>2015</b> , 35, 50-54		20
141	In Situ Characterization Techniques Based on Synchrotron Radiation and Neutrons Applied for the Development of an Engineering Intermetallic Titanium Aluminide Alloy. <b>2016</b> , 6, 10		23
140	Lifetime of 7YSZ thermal barrier coatings deposited on fluorine-treated ETiAl-based TNM-B1 alloy. <b>2016</b> , 67, 1185-1194		13
139	Forged Intermetallic ETiAl Based Alloy Low Pressure Turbine Blade in the Geared Turbofan. 2016, 1223-	1227	7
138	Mechanical Properties of Shark-Skin Like Structured Surfaces for High-Temperature Applications . <i>Advanced Engineering Materials</i> , <b>2016</b> , 18, 688-702	3.5	7
137	Intermetallic titanium aluminides in aerospace applications [processing, microstructure and properties. <b>2016</b> , 33, 560-570		128
136	Additive manufacturing of metallic components by selective electron beam melting 🗈 review. <b>2016</b> , 61, 361-377		440
135	Phase Transformation and Residual Stress in a Laser Beam Spot-Welded TiAl-Based Alloy. <b>2016</b> , 47, 575	0-5760	) <sub>7</sub>

134	Polysynthetic twinned TiAl single crystals for high-temperature applications. <b>2016</b> , 15, 876-81		310
133	Superplastic deformation mechanisms of high Nb containing TiAl alloy with (日中即microstructure. <i>Intermetallics</i> , <b>2016</b> , 75, 62-71	3.5	37
132	Strategies for improving ductility of ordered intermetallics. <b>2016</b> , 26, 1-12		45
131	Role of boron in TiAl alloy development: a review. <b>2016</b> , 35, 1-14		55
130	Intermetallic Esolidifying ETiAl Based Alloys From Fundamental Research to Application . <i>Advanced Engineering Materials</i> , <b>2017</b> , 19, 1600735	3.5	99
129	Microstructure of gas atomised ⊞TiAl based alloy powders. <b>2017</b> , 2, 1347-1352		1
128	Welding of unique and advanced ductile intermetallic alloys for high-temperature applications. <b>2017</b> , 22, 681-705		16
127	Study of microstructure and mechanical properties of Ti-45Al-(Fe,Nb) (at. %) alloys. <i>Intermetallics</i> , <b>2017</b> , 82, 26-31	3.5	20
126	The formation of bimodal multilayered grain structure and its effect on the mechanical properties of powder metallurgy pure titanium. <b>2017</b> , 116, 99-108		16
125	Influence of alloy composition and thermal history on carbide precipitation in Ebased TiAl alloys. <i>Intermetallics</i> , <b>2017</b> , 89, 32-39	3.5	20
124	Internal friction and atomic relaxation processes in an intermetallic Mo-rich Ti-44Al-7Mo (田内) model alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 700, 495-502	5.3	10
123	An investigation on the compressive strength enhancing mechanism of directionally solidified Ti-47Al-2Nb-2Cr-0.2Er alloy in case of cyclic loading. <i>Materials Science &amp; amp; Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017</i> , 692, 102-112	5.3	11
122	Advanced mechanical properties of powder metallurgy commercially pure titanium with a high oxygen concentration. <b>2017</b> , 32, 3769-3776		35
121	Morphology evolution of Ti 3 AlC carbide precipitates in high Nb containing TiAl alloys. <b>2017</b> , 137, 36-44		21
120	Heat treatment of laser metal deposited TiAl TNM alloy. <i>Intermetallics</i> , <b>2018</b> , 95, 94-101	3.5	21
119	High speed dynamic deformation of polysynthetic twinned titanium aluminide intermetallic compound. <b>2018</b> , 152, 269-277		7
118	Layered surface structure of gas-atomized high Nb-containing TiAl powder and its impact on laser energy absorption for selective laser melting. <b>2018</b> , 441, 210-217		22
117	Carbon fibers coated with graphene reinforced TiAl alloy composite with high strength and toughness. <b>2018</b> , 8, 2364		17

116	Review of porous intermetallic compounds by reactive synthesis of elemental powders. <i>Intermetallics</i> , <b>2018</b> , 93, 217-226	3.5	38
115	Characterization of the elevated temperature compressive deformation behavior of high Nb containing TiAl alloys with two microstructures. <i>Materials Science &amp; amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2018</b> , 725, 466-478	5.3	25
114	Thermogravimetric investigation on oxidation kinetics of complex Ti-Al alloys. <i>Intermetallics</i> , <b>2018</b> , 93, 244-250	3.5	14
113	Wire-EDM: a potential manufacturing process for gamma titanium aluminides in future aero engines. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2018</b> , 94, 351-356	3.2	16
112	Microstructural Characterization of Dissimilar Titanium Alloys Joints Using Ni/Al Nanolayers. <b>2018</b> , 8, 715		7
111	Parameter development and characterization of laser metal deposited Ti alloy powders for use at elevated temperatures. <b>2018</b> , 74, 176-179		O
110	Recent Progress in the Joining of Titanium Alloys to Ceramics. <b>2018</b> , 8, 876		16
109	Effects of Environment on the Wear Behavior of P/M Ti-47Al-2Cr-0.2Mo. <b>2018</b> , 770, 106-115		
108	Fabrication and Oxidation Resistance of TiAl Matrix Coatings Reinforced with Silicide Precipitates Produced by Heat Treatment of Warm Sprayed Coatings. <b>2018</b> , 27, 1165-1176		6
107	Joining of ETiAl Alloy to Ni-Based Superalloy Using Ag-Cu Sputtered Coated Ti Brazing Filler Foil. <b>2018</b> , 8, 723		7
106	In-situ control of microstructure and mechanical properties during hot rolling of high-Nb TiAl alloy. <i>Materialia</i> , <b>2018</b> , 1, 229-235	3.2	4
105	Microstructure Characteristics after combustion and fireproof mechanism of TiAl-based alloys. <b>2018</b> , 16, 364-373		9
104	Isothermal forging of titanium aluminides without beta-phase LUsing non-equilibrium phases produced by spark plasma sintering for improved hot working behavior. <i>Intermetallics</i> , <b>2018</b> , 101, 44-55	3.5	6
103	Effects of Annealing on the Residual Stress in ETiAl Alloy by Molecular Dynamics Simulation. <b>2018</b> , 11,		6
102	Comparison of the Electrochemical Dissolution Behavior of Extruded and Casted Ti-48Al-2Cr-2Nb Alloys in NaNO3 Solution. <b>2019</b> , 166, E347-E357		11
101	Non-Isothermal Oxidation Behaviors and Mechanisms of Ti-Al Intermetallic Compounds. <b>2019</b> , 12,		3
100	Microstructure and properties of friction welding joint of Ti译5Al-8.5Nb-0. 2W-0. 2B-0. 02Y alloy. <i>Intermetallics</i> , <b>2019</b> , 112, 106540	3.5	5
99	Electrochemical dissolution behavior of Ti-45Al-2Mn-2Nb+0.8 vol% TiB2 XD alloy in NaCl and NaNO3 solutions. <b>2019</b> , 157, 357-369		16

98	Surface modification of additively manufactured gamma titanium aluminide hardware. 2019, 31, 022517		1
97	Oxygen gain and aluminum loss during laser metal deposition of intermetallic TiAl. <b>2019</b> , 31, 042005		2
96	A Newly Generated Nearly Lamellar Microstructure in Cast Ti-48Al-2Nb-2Cr Alloy for High-Temperature Strengthening. <b>2019</b> , 50, 5839-5852		9
95	NiAl intermetallic composites review of processing methods, reinforcements and mechanical properties. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2019</b> , 104, 1733-1747	3.2	10
94	Wear Behavior of P/M High Nb Containing ETiAl Alloy in Different Environments. <b>2019</b> , 25, 1564-1573		1
93	Intrinsic Heat Treatment Within Additive Manufacturing of Gamma Titanium Aluminide Space Hardware. <b>2019</b> , 71, 1513-1519		9
92	Investigation on Fatigue Threshold Testing Methods in a Near Lamellar TiAl Alloy. 2019, 12,		
91	Studies on the oxidation resistance of SiOC glasses coated TiAl alloy. <i>Intermetallics</i> , <b>2019</b> , 105, 29-38	3.5	13
90	Multi-objective Optimization in WEDM of Inconel 750 Alloy: Application of TOPSIS Embedded Grey Wolf Optimizer. <b>2020</b> , 231-240		2
89	Columnar dendritic solidification of TiAl under diffusive and hypergravity conditions investigated by phase-field simulations. <b>2020</b> , 172, 109358		10
88	Anodic characteristics and electrochemical machining of two typical ETiAl alloys and its quantitative dissolution model in NaNO3 solution. <b>2020</b> , 331, 135429		17
87	Microstructural evolution and mechanical properties of a high yttrium containing TiAl based alloy densified by spark plasma sintering. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 819, 153264	5.7	5
86	Microstructural evolution and mechanical properties of a Cr-rich Bolidifying TiAl-based alloy prepared by electromagnetic cold crucible continuous casting. <i>Materials Science &amp; amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2020</b> , 798, 140205	5.3	6
85	The joining of gamma titanium aluminides via the powder interlayer bonding method. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2020</b> , 109, 2049-2054	3.2	2
84	Spark Plasma Sintering of Titanium Aluminides: A Progress Review on Processing, Structure-Property Relations, Alloy Development and Challenges. <b>2020</b> , 10, 1080		8
83	Effect of ageing on the properties of the W-containing IRIS-TiAl alloy. <b>2020</b> , 199, 169-180		9
82	Continuous-Cooling-Transformation (CCT) Behaviors and Fine-Grained Nearly Lamellar (FGNL) Microstructure Formation in a Cast Ti-48Al-4Nb-2Cr Alloy. <b>2020</b> , 51, 5285-5295		6
81	Surface integrity analysis of electrochemical machining of ETiAl alloys. <b>2020</b> , 25, 101686		3

80	High performance hybrid machining of EriAl with blasting erosion arc machining and grinding. <b>2020</b> , 69, 161-164		4
79	Opportunities and Issues in the Application of Titanium Alloys for Aerospace Components. <b>2020</b> , 10, 705		58
78	Size-Dependent Structural Properties of a High-Nb TiAl Alloy Powder. <b>2020</b> , 13,		3
77	Non-conventional transformation pathways and ultrafine lamellar structures in ETiAl alloys. <b>2020</b> , 189, 25-34		15
76	The role of incoherent interface in evading strength-ductility trade-off dilemma of Ti2AlN/TiAl composite: A combined in-situ TEM and atomistic simulations. <b>2020</b> , 185, 107794		12
75	Self-healing metal-enamel composite coating and its protection for TiAl alloy against oxidation under thermal shock in NaCl solution. <b>2020</b> , 167, 108526		47
74	Understanding the atomistic deformation mechanisms of polycrystalline ETiAl under nanoindentation: Effect of lamellar structure. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 828, 154443	5.7	7
73	Surface morphology and electrochemical behaviour of Ti-48Al-2Cr-2Nb alloy in low-concentration salt solution. <b>2021</b> , 64, 283-296		2
72	Fretting wear evolution of ETiAl alloy. <b>2021</b> , 154, 106721		9
71	Study on flow field of electrochemical machining for large size blade. <b>2021</b> , 190, 106018		4
70	Fabrication and Microstructure Optimization of TiAl Castings Using a Combined Melting/Pouring/Heat Treatment Device. <b>2021</b> , 15, 890-898		O
69	Stability of Ordered B2-D and Disordered BCC-IPhases in Tial - A First Principles Study. 1016, 1159-116	5	
68	Oxidation Mechanism of YSZ/NiCr Coating Prepared by Hollow Cathode Glow Discharge Phenomenon and Multi-arc Ion Plating. <b>2021</b> , 30, 2832-2842		
67	Temperature dependent fatigue crack growth in forged TiAl alloys with nearly-lamellar and triplex microstructure. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2021</b> , 806, 140802	5.3	3
66	Evolution of rapidly grown cellular microstructure during heat treatment of TiAl-based intermetallic and its effect on micromechanical properties. <i>Intermetallics</i> , <b>2021</b> , 132, 107166	3.5	1
65	Microstructure characterization and hot corrosion mechanism of as-cast and heat treated high Nb containing TiAl alloy. <b>2021</b> , 185, 109399		3
64	Effect of multi-stage heat treatment on mechanical properties and microstructure transformation of TiB8AlDCrDNb alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2021</b> , 816, 141321	5.3	7
63	Remarkable improvement in tensile strength of a polycrystalline ETiAl-based intermetallic alloy by deformation nanotwins. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2021</b> , 823, 141692	5.3	5

62	Element Distribution and Its Induced Peritectic Reaction during Solidification of Ti-Al-Nb Alloys. <b>2021</b> , 11, 1386		3
61	Dynamic recrystallization and hot processing map of Ti-48Al-2Cr-2Nb alloy during the hot deformation. <i>Materials Characterization</i> , <b>2021</b> , 179, 111332	3.9	5
60	Electrochemical machining of blisk channels with rotations of the cathode and the workpiece. <b>2021</b> , 208, 106655		2
59	Growth kinetics analysis of NbAl intermetallic compounds interfacial layers based on NbAl phase diagram. <b>2021</b> , 194, 110589		1
58	Surface quality improvement using electro chemical machining process for ETiAl parts produced by electron beam melting. <b>2021</b> , 102, 240-245		O
57	Effect of hot forging in the ordered phase field on microstructure and mechanical properties of Bolidifying ETiAl alloys. <b>2019</b> , 9, 528-533		2
56	Metallography of Intermetallic Titanium Aluminides Ithe (Additive) Manufacturing Makes the Difference. <b>2019</b> , 56, 567-584		8
55	Synthesis, Properties and Applications of Intermetallic Phases. <b>2021</b> , 741-784		
54	Microstructure Design and Its Effect on Mechanical Properties in Gamma Titanium Aluminides. <b>2021</b> , 11, 1644		1
53	Chapter 1: <b>T</b> iAl Alloys. <b>2017</b> , 1-14		
53 52	Chapter 1: TiAl Alloys. 2017, 1-14  Wear Behavior of EriAl Alloys Induced by Surface Mechanical Attrition Treatment. 2018, 08, 878-889		
		5.1	1
52	Wear Behavior of ETiAl Alloys Induced by Surface Mechanical Attrition Treatment. <b>2018</b> , 08, 878-889  Failure mechanism of the Y2O3 doped BaZrO3/Al2O3 composite ceramic mould during directional	5.1	1
52 51	Wear Behavior of EriAl Alloys Induced by Surface Mechanical Attrition Treatment. <b>2018</b> , 08, 878-889  Failure mechanism of the Y2O3 doped BaZrO3/Al2O3 composite ceramic mould during directional solidification of TiAl-Based alloys. <i>Ceramics International</i> , <b>2021</b> ,  Experiments and crystal plasticity simulations for the deformation behavior of nanoindentation: Application to the 2 phase of TiAl alloy. <i>Materials Science &amp; Description At Structural</i>		
52 51 50	Wear Behavior of ETiAl Alloys Induced by Surface Mechanical Attrition Treatment. 2018, 08, 878-889  Failure mechanism of the Y2O3 doped BaZrO3/Al2O3 composite ceramic mould during directional solidification of TiAl-Based alloys. Ceramics International, 2021,  Experiments and crystal plasticity simulations for the deformation behavior of nanoindentation: Application to the Paphase of TiAl alloy. Materials Science & Lamp; Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 831, 142283  Examples of High-energy X-ray Structural Studies at PETRA III: High T C Superconductors, Real-time Surface and Thin Film Processes, and Design of Engineering Materials. Synchrotron Radiation News,	5.3	
52 51 50 49	Wear Behavior of ETiAl Alloys Induced by Surface Mechanical Attrition Treatment. 2018, 08, 878-889  Failure mechanism of the Y2O3 doped BaZrO3/Al2O3 composite ceramic mould during directional solidification of TiAl-Based alloys. Ceramics International, 2021,  Experiments and crystal plasticity simulations for the deformation behavior of nanoindentation: Application to the 2 phase of TiAl alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 831, 142283  Examples of High-energy X-ray Structural Studies at PETRA III: High T C Superconductors, Real-time Surface and Thin Film Processes, and Design of Engineering Materials. Synchrotron Radiation News, 2020, 33, 24-30  Phase transformation and deformation behavior of a TiAlNb composite under quasi-static and dynamic loadings. Materials Science & Engineering A: Structural Materials: Properties,	5.3	1
52 51 50 49 48	Wear Behavior of ETiAl Alloys Induced by Surface Mechanical Attrition Treatment. 2018, 08, 878-889  Failure mechanism of the Y2O3 doped BaZrO3/Al2O3 composite ceramic mould during directional solidification of TiAl-Based alloys. Ceramics International, 2021,  Experiments and crystal plasticity simulations for the deformation behavior of nanoindentation: Application to the 2 phase of TiAl alloy. Materials Science & Science	5.3 o.6 5.3	2

44	Investigations of interfacial reaction and toughening mechanisms of Ta fiber-reinforced TiAl-matrix composites. <i>Materials Characterization</i> , <b>2021</b> , 183, 111584	3.9	3
43	On the Formation Mechanism of Banded Microstructures in Electron Beam Melted Ti월8AlaCraNb and the Design of Heat Treatments as Remedial Action. <i>Advanced Engineering</i> Materials, 2101199	3.5	1
42	Effects of orientation and twin boundary spacing on the mechanical behaviour of ETiAl alloy. <i>Molecular Simulation</i> , 1-16	2	0
41	Titanium aluminides processing by additive manufacturing 🖟 review. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2022</b> , 119, 5583	3.2	1
40	Protective TixSiy coatings for enhanced oxidation resistance of the ?-TiAl alloy at 900IIC. <i>Surface and Coatings Technology</i> , <b>2022</b> , 430, 127963	4.4	1
39	Effect of nitrogen addition and aging treatment on microstructure and high temperature mechanical properties of Ti-48Al-2Cr-2Nb (at%) intermetallic alloy. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 904, 164077	5.7	1
38	Study on surface roughness of large size TiAl intermetallic blade in electrochemical machining. Journal of Manufacturing Processes, <b>2022</b> , 76, 1-10	5	O
37	Multi-Physics Coupling Modeling and Experimental Investigation of Vibration-Assisted Blisk Channel ECM <i>Micromachines</i> , <b>2021</b> , 13,	3.3	1
36	Characterization of the high-temperature behavior of PBF-EB/M manufactured Litanium aluminides. <i>Progress in Additive Manufacturing</i> , 1	5	2
35	Improved Fracture Toughness of Polycrystalline ETiAl-Based Intermetallic Alloys with a Favorable Deformation Mechanism of Twinning. <i>Advanced Engineering Materials</i> , 2101710	3.5	
34	History and development of ETiAl alloys and the effect of alloying elements on their phase transformations. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 909, 164811	5.7	1
33	Metal Additive Manufacturing for Satellites and Rockets. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 1203	62.6	О
32	Microstructure analysis and mechanical properties of electron beam powder bed fusion (PBF-EB)-manufactured Eitanium aluminide (TiAl) at elevated temperatures. <i>Materialpruefung/Materials Testing</i> , <b>2022</b> , 64, 636-646	1.9	2
31	Phase transformation pathway and microstructural refinement by feathery transformation of Ru-containing ETiAl alloy. <i>Journal of Materials Research and Technology</i> , <b>2022</b> ,	5.5	O
30	Precipitation of Ti2Al phases at lamellar interfaces in a high-Nb-containing TiAl alloy during thermal exposure. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 126, 132-140	9.1	O
29	Crystallographic Origin of Phase Transformation and Lamellar Orientation Control for TiAl-Based Alloys. <i>Crystals</i> , <b>2022</b> , 12, 634	2.3	О
28	Microstructure transition of ETiAl alloys with abrupt cross-sections in yttria ceramic moulds during directional solidification by electromagnetic cold crucible. <i>Journal of Materials Research and Technology</i> , <b>2022</b> ,	5.5	1
27	Ti-Al3Ti metal-intermetallic laminate (MIL) composite with a cubic titanium trialuminide stabilized with silver: Selection of fabrication regimes, structure, and properties. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 916, 165480	5.7	O

26	How Si affects the microstructural evolution and phase transformations of intermetallic ETiAl based alloys. <i>Materialia</i> , <b>2022</b> , 24, 101475	О
25	Experimental Investigation of TiAlBi Phase Equilibria at 800-1200 LC. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 166223	О
24	Phase Equilibria in the Ti-Rich Part of the Ti-Al-Nb System <b>P</b> art I: Low-Temperature Phase Equilibria Between 700 and 900 IC. <i>Journal of Phase Equilibria and Diffusion</i> ,	О
23	The Residual Stress and Deformation Control of TC4 Thin-Walled Outer Ring Components by Ultrasonic Regulation. <i>Machines</i> , <b>2022</b> , 10, 598	1
22	Laser powder bed fusion of Ti6Al4V lattice structures and their applications. 2020, 30, 68-78	5
21	Improvement of Steam Oxidation Resistance of the ETial Alloy with Microarc Oxidation Coatings at 900 - 1200EC.	
20	Experimental Investigation of Phase Equilibria in the TiAlar System at 1000a300 a. 2022, 12, 1184	
19	Stacking fault formation in perovskite Ti3AlC carbides in a TiAl based alloy during creep at 800°C. <b>2023</b> , 222, 115034	О
18	Controlling lamellar orientation of Ti-47.5Al-5Nb-2.5V-1Cr alloy by conventional casting. <b>2023</b> , 223, 115080	O
17	Microstructure and mechanical properties of TiAl/TiAl joints brazed with a newly developed TiNiNbØr quaternary filler alloy. 2022,	O
16	An Analysis of Solidification Experiments With a Ti-46Al-8Nb Alloy Under Centrifugal Conditions: Modelling of FlowBolidification Interaction and Grain Structure Evolution Using a Cellular Automaton With Finite Volume Method.	0
15	Effect of Cutting Parameters on Nano-Cutting of Single Crystal ETIAl Alloy with Water Medium via Atomistic Simulation. <b>2022</b> , 12, 1861	O
14	Improvement of steam oxidation resistance of the ETiAl alloy with microarc oxidation coatings at 900fl 200f. 2022, 209, 110711	О
13	Phase Equilibria in the Ti-Rich Part of the Ti-Al-Nb System <b>P</b> art II: High-Temperature Phase Equilibria Between 1000 and 1300IIC.	O
12	Effect of hot-pressing temperature on microstructure and the improvement of residual Al on tensile ductility of Ti/Al3Ti heterogeneous structure. <b>2022</b> , 860, 144291	О
11	Creep properties of Ti🏿 8Al 🗷 Cr 🗷 Nb alloy having similarly oriented lamellae with fine lamellar spacing. 2022, 144362	O
10	Modeling of Investment Casting of Ti48Al48Cr2Nb2 (at%) Alloy Air Rudder Skeleton.	О
9	Impact Resistance of Commercially Applied TiAl Alloys and Simple-Composition TiAl Alloys at Various Temperatures. <b>2022</b> , 12, 2003	1

8	Electrochemical machining properties and blades manufacturing of forged Ti-48Al-2Cr-2Nb intermetallic in sodium nitrate solution.	О
7	On real-time control of microstructure of TiAl specimens with varied cross-sections based on numerical calculation and machine learning. <b>2022</b> , 168549	O
6	A brief review of processing techniques for NiAl intermetallic composites. 2022,	O
5	Laser Powder Bed Fusion of Intermetallic Titanium Aluminide Alloys Using a Novel Process Chamber Heating System: A Study on Feasibility and Microstructural Optimization for Creep Performance. <b>2022</b> , 12, 2087	O
4	Stabilization of Ti5Al11 at room temperature in ternary Ti-Al-Me (Me⊞ʿAu, Pd, Mn, Pt) systems. <b>2023</b> , 944, 169244	0
3	Research on the characteristics of multiphysics coupling fields in the electrochemical trepanning of an inward facing blisk. <b>2023</b> , 93, 60-74	O
2	Drastic enhancement in hot-workability and microstructural refinement of TiAl alloys via martensitic transformation: A comparative study. <b>2023</b> , 157, 107892	O
1	Constitutive Model of TNM Alloy Using Arrhenius-Type Model and Artificial Neural Network Model. <b>2023</b> , 2437, 012062	O