Yan-Qing Su

List of Publications by Year
in descending order

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145 papers	2,597 citations	201385 27 h-index	288905 40 g-index
145 all docs	145 docs citations	145 times ranked	1196 citing authors

#	Article	IF	Citations
1	Strengthening FCC-CoCrFeMnNi high entropy alloys by Mo addition. Journal of Materials Science and Technology, 2019, 35, 578-583.	5.6	126
2	Microstructure evolution, Cu segregation and tensile properties of CoCrFeNiCu high entropy alloy during directional solidification. Journal of Materials Science and Technology, 2020, 38, 19-27.	5.6	85
3	Annealed microstructure dependent corrosion behavior of Ti-6Al-3Nb-2Zr-1Mo alloy. Journal of Materials Science and Technology, 2021, 62, 234-248.	5.6	68
4	Formation of titanium hydride in Tiâ€“6Alâ€“4V alloy. Journal of Alloys and Compounds, 2006, 425, 140-144.	2.8	63
5	Deformation behavior and microstructural evolution of directionally solidified TiAlNb-based alloy during thermo-compression at 1373â€“1573K. Materials and Design, 2015, 84, 118-132.	3.3	57
6	Microstructure selection during the directionally peritectic solidification of Tiâ€“Al binary system. Intermetallics, 2005, 13, 267-274.	1.8	56
7	Deoxidation of Titanium alloy using hydrogen. International Journal of Hydrogen Energy, 2009, 34, 8958-8963.	3.8	53
8	Investigation of macro/microstructure evolution and mechanical properties of directionally solidified high-Nb TiAl-based alloy. Materials and Design, 2016, 89, 492-506.	3.3	53
9	The microstructure parameters and microhardness of directionally solidified Tiâ€“43Alâ€“3Si alloy. Journal of Alloys and Compounds, 2010, 506, 593-599.	2.8	50
10	Dependency of microhardness on solidification processing parameters and microstructure characteristics in the directionally solidified Tiâ€“46Alâ€“0.5Wâ€“0.5Si alloy. Journal of Alloys and Compounds, 2010, 504, 60-64.	2.8	49
11	An as-cast high-entropy alloy with remarkable mechanical properties strengthened by nanometer precipitates. Nanoscale, 2020, 12, 3965-3976.	2.8	49
12	Microstructure and mechanical properties of CoCrFeNiW high entropy alloys reinforced by Î¼ phase particles. Journal of Alloys and Compounds, 2020, 843, 155997.	2.8	49
13	The corrosion behavior of Ti-6Al-3Nb-2Zr-1Mo alloy: Effects of HCl concentration and temperature. Journal of Materials Science and Technology, 2021, 74, 143-154.	5.6	43
14	Enhanced plasticity in Zr-based bulk metallic glasses by hydrogen. International Journal of Hydrogen Energy, 2012, 37, 14697-14701.	3.8	42
15	Secondary dendrite arm migration caused by temperature gradient zone melting during peritectic solidification. Acta Materialia, 2012, 60, 2679-2688.	3.8	41
16	Microstructure control and mechanical properties of Ti44Al6Nb1.0Cr2.0V alloy by cold crucible directional solidification. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 614, 67-74.	2.6	40
17	Effect of growth rate on microstructure parameters and microhardness in directionally solidified Tiâ€“49Al alloy. Materials & Design, 2012, 34, 552-558.	5.1	39
18	Microstructure, Mechanical Properties, and Crack Propagation Behavior in High-Nb TiAl Alloys by Directional Solidification. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 4555-4564.	1.1	39

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19	Brittleâ€“ductile transition during creep in nearly and fully lamellar high-Nb TiAl alloys. Intermetallics, 2018, 93, 47-54.	1.8	38
20	Effect of hydrogen on hot deformation behaviors of TiAl alloys. International Journal of Hydrogen Energy, 2010, 35, 13322-13328.	3.8	35
21	Microstructure, microsegregation pattern and the formation of B2 phase in directionally solidified Tiâ€“46Alâ€“8Nb alloy. Journal of Alloys and Compounds, 2012, 541, 275-282.	2.8	34
22	Microstructure evolution and mechanical properties of directionally-solidified TiAlNb alloy in different temperature gradients. Journal of Alloys and Compounds, 2015, 648, 667-675.	2.8	33
23	High temperature deformation behavior of melt hydrogenated (TiB + TiC)/Ti-6Al-4V composites. Materials and Design, 2017, 121, 335-344.	3.3	33
24	Effects of V and B, Y additions on the microstructure and creep behaviour of high-Nb TiAl alloys. Journal of Alloys and Compounds, 2018, 747, 640-647.	2.8	33
25	Hot deformation behavior and dynamic recrystallization of melt hydrogenated Ti-6Al-4V alloy. Journal of Alloys and Compounds, 2017, 728, 709-718.	2.8	32
26	Effect of zirconium content on the microstructure and corrosion behavior of as-cast Ti-Al-Nb-Zr-Mo alloy. Journal of Materials Research and Technology, 2021, 15, 4896-4913.	2.6	31
27	Investigation of melt hydrogenation on the microstructure and deformation behavior of Tiâ€“6Alâ€“4V alloy. International Journal of Hydrogen Energy, 2011, 36, 1027-1036.	3.8	29
28	Experimental and numerical investigation on mass transfer induced by electromagnetic field in cold crucible used for directional solidification. International Journal of Heat and Mass Transfer, 2017, 114, 297-306.	2.5	29
29	Deformation behavior and microstructural evolution of hydrogenated Ti44Al6Nb alloy during thermo-compression at 1373â€“1523 K. Materials and Design, 2016, 108, 259-268.	3.3	28
30	Dependency of microstructure parameters and microhardness on the temperature gradient for directionally solidified Tiâ€“49Al alloy. Materials Chemistry and Physics, 2011, 130, 1232-1238.	2.0	27
31	Effect of power on microstructure and mechanical properties of Ti44Al6Nb1.0Cr2.0V0.15Y0.1B alloy prepared by cold crucible directional solidification. Materials & Design, 2015, 67, 390-397.	5.1	27
32	Microstructure evolution and mechanical properties of TiAl binary alloys added with SiC fibers. Intermetallics, 2018, 98, 69-78.	1.8	26
33	Influence of thermal stabilization on the solute concentration of the melt in directional solidification. Journal of Crystal Growth, 2010, 312, 3658-3664.	0.7	25
34	Lamellar orientation and growth direction of Î± phase in directionally solidified Ti-46Al-0.5W-0.5Si alloy. Intermetallics, 2012, 27, 38-45.	1.8	25
35	Microstructure modification and mechanical performances enhancement of Ti44Al6Nb1Cr alloy by ultrasound treatment. Journal of Alloys and Compounds, 2017, 710, 409-417.	2.8	25
36	Hydrogen solubility in molten TiAl alloys. International Journal of Hydrogen Energy, 2010, 35, 8008-8013.	3.8	23

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37	Removal of metal impurities in metallurgical grade silicon by cold crucible continuous melting and directional solidification. Separation and Purification Technology, 2017, 188, 67-72.	3.9	23
38	Microstructure control and creep behavior of Ti-47Al-6Nb-0.1C alloy by directional solidification. Intermetallics, 2018, 94, 152-159.	1.8	23
39	Microstructure and mechanical properties of NbZrTi and NbHfZrTi alloys. Rare Metals, 2019, 38, 840-847.	3.6	22
40	First Phase Selection in Solid Ti/Al Diffusion Couple. Rare Metal Materials and Engineering, 2011, 40, 753-756.	0.8	21
41	Flow field and its effect on microstructure in cold crucible directional solidification of Nb containing TiAl alloy. Journal of Materials Processing Technology, 2013, 213, 1355-1363.	3.1	21
42	Investigation of shear transformation zone and ductility of Zr-based bulk metallic glass after plasma-assisted hydrogenation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 759, 105-111.	2.6	21
43	Microstructure evolution in directionally solidified Tiâ€“(50, 52)at%Al alloys. Intermetallics, 2011, 19, 175-181.	1.8	20
44	Effect of solidification parameters on microstructural characteristics and mechanical properties of directionally solidified binary TiAl alloy. Journal of Alloys and Compounds, 2015, 650, 8-14.	2.8	20
45	Microstructure and mechanical properties of multi-phase reinforced Hf-Mo-Nb-Ti-Zr refractory high-entropy alloys. International Journal of Refractory Metals and Hard Materials, 2022, 102, 105723.	1.7	20
46	Hydrogen-induced softening of Tiâ€“44Alâ€“6Nbâ€“1Crâ€“2V alloy during hot deformation. International Journal of Hydrogen Energy, 2017, 42, 8329-8337.	3.8	19
47	Effect of hydrogen addition on the mechanical properties of a bulk metallic glass. Journal of Alloys and Compounds, 2017, 695, 3183-3190.	2.8	19
48	Effect of processing parameters on the microstructure and mechanical properties of TiAl/Ti2AlNb laminated composites. Journal of Materials Science and Technology, 2022, 109, 228-244.	5.6	19
49	Facetedâ€“nonfaceted growth transition and 3-D morphological evolution of primary Al₆Mn microcrystals in directionally solidified Alâ€“3 at.% Mn alloy. Journal of Materials Research, 2014, 29, 1256-1263.	1.2	18
50	Hot-deformation behaviour and hot-processing map of melt-hydrogenated Ti 6Al 4V/(TiB+TiC). International Journal of Hydrogen Energy, 2019, 44, 8641-8649.	3.8	18
51	Optimizing the microstructures and mechanical properties of Al-Cu-based alloys with large solidification intervals by coupling travelling magnetic fields with sequential solidification. Journal of Materials Science and Technology, 2021, 61, 100-113.	5.6	18
52	Deoxidation of Tiâ€“Al intermetallics via hydrogen treatment. International Journal of Hydrogen Energy, 2010, 35, 9214-9217.	3.8	17
53	Bulk metallic glass formation: The positive effect of hydrogen. Journal of Non-Crystalline Solids, 2012, 358, 2606-2611.	1.5	17
54	Effect of Î²-phase stabilizing elements and high temperature (1373â€“1693ÂK) on hydrogen absorption in TiAl alloys. International Journal of Hydrogen Energy, 2017, 42, 86-95.	3.8	17

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55	A novel method to prepare columnar grains of TiAl alloys by controlling induction heating. International Communications in Heat and Mass Transfer, 2019, 108, 104315.	2.9	17
56	Corrosion behaviour of a wrought Ti-6Al-3Nb-2Zr-1Mo alloy in artificial seawater with various fluoride concentrations and pH values. Materials and Design, 2022, 214, 110416.	3.3	17
57	Directional solidification of Tiâ€“49 at.%Al alloy. Applied Physics A: Materials Science and Processing, 2011, 105, 239-248.	1.1	16
58	Hydrogen induced softening and hardening for hot workability of (TiBÂ+ÂTiC)/Ti-6Al-4V composites. International Journal of Hydrogen Energy, 2017, 42, 3380-3388.	3.8	16
59	A novel method to directional solidification of TiAlNb alloys by mixing binary TiAl ingot and Nb wire. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 687, 181-192.	2.6	16
60	Hydrogen induced microstructure evolution of titanium matrix composites. International Journal of Hydrogen Energy, 2018, 43, 9838-9847.	3.8	16
61	Formation of Ti2AlN and TiB and its effect on mechanical properties of Ti46Al4Nb1Mo alloy by adding BN particles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 756, 161-171.	2.6	16
62	Impact of hydrogen microalloying on the mechanical behavior of Zr-bearing metallic glasses: A molecular dynamics study. Journal of Materials Science and Technology, 2020, 45, 198-206.	5.6	16
63	Optimizing microstructure, shrinkage defects and mechanical performance of ZL205A alloys via coupling travelling magnetic fields with unidirectional solidification. Journal of Materials Science and Technology, 2021, 74, 246-258.	5.6	16
64	Manipulating internal flow units toward favorable plasticity in Zr-based bulk-metallic glasses by hydrogenation. Journal of Materials Science and Technology, 2022, 102, 36-45.	5.6	16
65	Continued growth controlling of the non-preferred primary phase for the parallel lamellar structure in directionally solidified Tiâ€“50Alâ€“4Nb alloy. Journal of Alloys and Compounds, 2015, 632, 152-160.	2.8	14
66	Influence of thermal stabilization treatment on microstructure evolution of the mushy zone and subsequent directional solidification in Ti-43Al-3Si alloy. Materials and Design, 2016, 97, 392-399.	3.3	14
67	Effects of hydrogen on the nanomechanical properties of a bulk metallic glass during nanoindentation. International Journal of Hydrogen Energy, 2017, 42, 25436-25445.	3.8	14
68	The interface structure and its impact on the mechanical behavior of TiAl/Ti2AlNb laminated composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 827, 142095.	2.6	14
69	Effect of cyclic heat treatment on microstructures and mechanical properties of directionally solidified Tiâ€“46Alâ€“6Nb alloy. Transactions of Nonferrous Metals Society of China, 2015, 25, 1872-1880.	1.7	13
70	The hydrogen absorption behavior of high Nb contained titanium aluminides under high pressure and temperature. International Journal of Hydrogen Energy, 2016, 41, 13254-13260.	3.8	13
71	Optimization of electromagnetic energy in cold crucible used for directional solidification of TiAl alloy. Energy, 2018, 161, 143-155.	4.5	13
72	Deoxidation of bulk metallic glasses by hydrogen arc melting. Materials Letters, 2012, 83, 1-3.	1.3	12

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73	Effect of parameters on the grain growth of silicon ingots prepared by electromagnetic cold crucible continuous casting. Journal of Crystal Growth, 2011, 332, 68-74.	0.7	11
74	Microstructure and microsegregation in directionally solidified Tiâ€“46Alâ€“8Nb alloy. Transactions of Nonferrous Metals Society of China, 2012, 22, 1342-1349.	1.7	11
75	A lateral remelting phenomenon of the primary phase below the temperature of peritectic reaction in directionally solidified Cuâ€“Ge alloys. Journal of Materials Research, 2013, 28, 3261-3269.	1.2	11
76	Microstructures, micro-segregation and solidification path of directionally solidified Ti-45Al-5Nb alloy. China Foundry, 2016, 13, 107-113.	0.5	11
77	Numerical Research on Magnetic Field, Temperature Field and Flow Field During Melting and Directionally Solidifying TiAl Alloys by Electromagnetic Cold Crucible. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2017, 48, 3345-3358.	1.0	11
78	Effects of grain size and precipitated phases on mechanical properties in TiAl gradient materials. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 731, 634-641.	2.6	11
79	Improving microstructure and mechanical properties of Ti43Al5Nb0.1B alloy by addition of Fe. Rare Metals, 2019, 38, 1024-1032.	3.6	11
80	Microstructure, tensile properties and creep behavior of high-Al TiAlNb alloy using electromagnetic cold crucible continuous casting. Journal of Alloys and Compounds, 2019, 801, 166-174.	2.8	11
81	Effect of electromagnetic force on melt induced by traveling magnetic field. Transactions of Nonferrous Metals Society of China, 2010, 20, 662-667.	1.7	10
82	Microstructural evolution of Al-Cu-Li alloys with different Li contents by coupling of near-rapid solidification and two-stage homogenization treatment. China Foundry, 2020, 17, 190-197.	0.5	10
83	Effect of melt hydrogenation on microstructure evolution and tensile properties of (TiBâ€¯+â€¯TiC)/Ti-6Al-4V composites. Journal of Materials Research and Technology, 2020, 9, 6343-6351.	2.6	10
84	Temperature field calculation on cold crucible continuous melting and directional solidifying Ti50Al alloys. Transactions of Nonferrous Metals Society of China, 2012, 22, 647-653.	1.7	9
85	The influence of melt hydrogenation on Ti600 alloy. International Journal of Hydrogen Energy, 2014, 39, 6089-6094.	3.8	9
86	Local melting/solidification during peritectic solidification in a steep temperature gradient: analysis of a directionally solidified Alâ€“25at%Ni. Applied Physics A: Materials Science and Processing, 2014, 116, 1821-1831.	1.1	9
87	Mass transfer behaviors of oxygen during cold crucible continuous casting silicon. International Journal of Heat and Mass Transfer, 2016, 100, 428-432.	2.5	9
88	Influence of high-temperature hydrogen charging on microstructure and hot deformability of binary TiAl alloys. Journal of Alloys and Compounds, 2017, 701, 399-407.	2.8	9
89	Effect of Zr on microstructure and mechanical properties of binary TiAl alloys. Transactions of Nonferrous Metals Society of China, 2018, 28, 1724-1734.	1.7	9
90	High-throughput analysis of Al and Nb effects on mechanical behaviour of TiAl alloys using electromagnetic cold crucible continuous casting. Journal of Alloys and Compounds, 2019, 775, 124-131.	2.8	9

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91	In-situ study on Î³ phase transformation behaviour of Î³-TiAl alloys at different cooling rates. Progress in Natural Science: Materials International, 2022, 32, 345-357.	1.8	9
92	Tuning microstructure and improving the corrosion resistance of Ti-6Al-3Nb-2Zr-1Mo alloy using the electron beam freeform fabrication. Chemical Engineering Journal, 2022, 444, 136524.	6.6	9
93	Tailoring formation and proportion of strengthening phase in non-equiatomic CoCrFeNi high entropy alloy by alloying Si element. Intermetallics, 2022, 147, 107617.	1.8	9
94	Morphological characteristics of triple junction region and process of the peritectic reaction during directional solidification of Cuâ€“Ge alloys. Journal of Alloys and Compounds, 2012, 539, 44-49.	2.8	8
95	Lamellar orientation control of Tiâ€“47Alâ€“0.5Wâ€“0.5Si by directional solidification using Î² seeding technique. Intermetallics, 2016, 73, 1-4.	1.8	8
96	Macro/microstructure evolution and mechanical properties of Ti33.3Al alloys by adding WC particles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 725, 171-180.	2.6	8
97	Positive effect of hydrogen on interface of in situ synthesized Ti-6Al-4V matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 711, 12-21.	2.6	8
98	The growth behavior of columnar grains in a TiAl alloy during directional induction heat treatments. CrystEngComm, 2020, 22, 1188-1196.	1.3	8
99	Impact of laser scanning speed on microstructure and mechanical properties of Inconel 718 alloys by selective laser melting. China Foundry, 2021, 18, 170-179.	0.5	8
100	Design a novel TiAl/Ti2AlNb laminated composite with high toughness prepared by foil-foil metallurgy. Materials Letters, 2021, 303, 130463.	1.3	8
101	Enhanced strength and fracture characteristics of the TiAl/Ti2AlNb laminated composite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 835, 142632.	2.6	8
102	Fabrication of wavy Î³-TiAl based sheet with foil metallurgy. Transactions of Nonferrous Metals Society of China, 2012, 22, 72-77.	1.7	7
103	Electrical resistivity distribution of silicon ingot grown by cold crucible continuous melting and directional solidification. Materials Science in Semiconductor Processing, 2014, 23, 14-19.	1.9	7
104	Eliminating shrinkage defects and improving mechanical performance of large thin-walled ZL205A alloy castings by coupling travelling magnetic fields with sequential solidification. Transactions of Nonferrous Metals Society of China, 2021, 31, 865-877.	1.7	7
105	Influence of initial solidâ€“liquid interface morphology on further microstructure evolution during directional solidification. Applied Physics A: Materials Science and Processing, 2013, 110, 443-451.	1.1	6
106	Effect of growth rate and diameter on microstructure and hardness of directionally solidified Tiâ€“46Alâ€“8Nb alloy. Transactions of Nonferrous Metals Society of China, 2014, 24, 4044-4052.	1.7	6
107	Microstructure and room temperature tensile property of as-cast Ti44Al6Nb1.0Cr2.0V alloy. Transactions of Nonferrous Metals Society of China, 2015, 25, 1097-1105.	1.7	6
108	Creep Behavior of Highâ€Nb TiAl Alloy at 800â€“900â€‰Â°C by Directional Solidification. Advanced Engineering Materials, 2018, 20, 1700734.	1.6	6

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109	A Comparative Study on Microstructure and Mechanical Properties of Tiâ€43/46Alâ€“5Nbâ€“0.1B Alloys Modified by Mo. Advanced Engineering Materials, 2020, 22, 1901075.	1.6	6
110	Thermal deformation behavior of Î³-TiAl based alloy by plasma hydrogenation. International Journal of Hydrogen Energy, 2020, 45, 34214-34226.	3.8	6
111	In-situ investigation of Î²/Î± transformation in Î²-solidifying Î³-TiAl alloys at different cooling rates. Materials Letters, 2021, 285, 129092.	1.3	6
112	Significant enhancement of the corrosion performance of Ti-6Al-3Nb-2Zr-1Mo alloy via carbon addition in reducing acid environment. Materials Letters, 2022, 306, 130939.	1.3	6
113	Two-phase separated growth and peritectic reaction during directional solidification of Cuâ€“Ge peritectic alloys. Journal of Materials Research, 2013, 28, 1372-1377.	1.2	5
114	Effect of heat treatment on microstructure and mechanical properties of cast and directionally solidified high-Nb contained TiAl-based alloys. Journal of Materials Research, 2015, 30, 3331-3342.	1.2	5
115	In-situ observation microstructure evolution and growth kinetics of lamellar Î³ phases in Ti44Al alloy during heat treatment. Journal of Materials Research and Technology, 2020, 9, 12157-12166.	2.6	5
116	Effect of hydrogen on interfacial reaction between Ti-6Al-4V alloy melt and graphite mold. Journal of Materials Research and Technology, 2020, 9, 6933-6939.	2.6	5
117	Study on dispersion of Ti2AlC particle and formation of columnar crystal with different solidification rates during CCDS TiAl-based composite. Journal of Alloys and Compounds, 2020, 832, 154893.	2.8	5
118	Microstructure and microhardness of Ti-48Al alloy prepared by rapid solidification. China Foundry, 2020, 17, 429-434.	0.5	5
119	Solidification behavior and microstructure evolution of Nb-Si-Mo alloy in ultrasonic field. International Journal of Refractory Metals and Hard Materials, 2022, 108, 105933.	1.7	5
120	Effects of hydrogenation on ambient deformation behaviors of Ti-45Al alloy. Transactions of Nonferrous Metals Society of China, 2009, 19, s403-s408.	1.7	4
121	Effect of traveling magnetic field on gas porosity during solidification. Transactions of Nonferrous Metals Society of China, 2011, 21, 1981-1985.	1.7	4
122	Characterization of hydrogen-induced structural changes in Zr-based bulk metallic glasses using positron annihilation spectroscopy. Journal of Materials Research, 2012, 27, 2587-2592.	1.2	4
123	Uniformity analysis of magnetic field in an electromagnetic cold crucible used for directional solidification. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2013, 32, 997-1008.	0.5	4
124	Characterization of p-type multicrystalline silicon prepared by cold crucible continuous melting and directional solidification. Materials Science in Semiconductor Processing, 2017, 68, 62-67.	1.9	4
125	Microstructures and mechanical properties of melt hydrogenated Nb-Si based alloy. International Journal of Hydrogen Energy, 2017, 42, 26417-26422.	3.8	4
126	Effect of a Traveling Magnetic Field on Micropore Formation in Al-Cu Alloys. Metals, 2018, 8, 448.	1.0	4

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127	Microstructures and mechanical properties of Tiâ€“44Alâ€“5Nbâ€“3Crâ€“1.5Zrâ€“xMoâ€“yB alloys. Journal of Materials Research, 2020, 35, 2756-2764.	1.2	4
128	EFFECT OF Li/Nb RATIO ON GROWTH AND SPECTROMETRIC CHARACTERIZATION OF Hf:Fe:LiNbO₃ CRYSTALS. Modern Physics Letters B, 2009, 23, 1557-1565.	1.0	3
129	EFFECT OF HfO₂-CODOPING CONCENTRATION ON THE OPTICAL PROPERTIES OF Er³⁺-DOPED LiNbO₃. Modern Physics Letters B, 2010, 24, 495-502.	1.0	3
130	Effect of growth rate on microstructures and microhardness in directionally solidified Tiâ€“47Alâ€“1.0Wâ€“0.5Si alloy. Journal of Materials Research, 2016, 31, 618-626.	1.2	3
131	Effects of hydrogen on the interfacial reaction between Ti 6Al 4V alloy melt and Al2O3 ceramic shell. International Journal of Hydrogen Energy, 2018, 43, 5225-5230.	3.8	3
132	Microstructure and mechanical properties of Ti43Al6Nb alloys with different zirconium contents. Rare Metals, 2018, , 1.	3.6	3
133	Boride Formation, Microstructure Evolution, and Mechanical Properties of Ti42Al6Nb2.6C0.8Ta Alloyed by Boron. Advanced Engineering Materials, 2019, 21, 1800934.	1.6	3
134	Influence of laser parameters on segregation of Nb during selective laser melting of Inconel 718. China Foundry, 2021, 18, 379-388.	0.5	3
135	On the solidification behaviors of AlCu5MnCdVA alloy in electron beam freeform fabrication: Microstructural evolution, Cu segregation and cracking resistance. Additive Manufacturing, 2022, 51, 102606.	1.7	3
136	Characterization of microstructural length scales in directionally solidified Snâ€“36%Ni peritectic alloy. Transactions of Nonferrous Metals Society of China, 2013, 23, 2446-2453.	1.7	2
137	Microstructure and Mechanical Properties of Bioâ€Inspired Ti/Al/Alâ€C_f Multilayered Composites. Advanced Engineering Materials, 2019, 21, 1800722.	1.6	2
138	JUDDâ€“OFELT THEORY ANALYSIS AND SPECTROSCOPIC PROPERTIES OF Ho:LiNbO3. Modern Physics Letters B, 2009, 23, 3235-3242.	1.0	1
139	Microstructure and mechanical properties of Ti44Al6Nb1Cr2V alloy after gaseous hydrogen charging at 1373â€“1693ÂK. Rare Metals, 2023, 42, 664-671.	3.6	1
140	Effects of Heating Power on Microstructure Evolution and Tensile Properties at Elevated Temperature by Directional Solidification for Ti2AlC/TiAl Composites. Advanced Engineering Materials, 0, , 2100736.	1.6	1
141	Effect of growth rate on microstructure evolution in directionally solidified Tiâ€“47Al alloy. Heliyon, 2022, 8, e08704.	1.4	1
142	Continuous Casting of TiAlNb Alloys with Different Velocities by Mixing Binary TiAl Ingot and Nb Wire. Advanced Engineering Materials, 2017, 19, 1700058.	1.6	0
143	Hydrogen-induced amorphization of Zr-Cu-Ni-Al alloy. China Foundry, 2017, 14, 145-150.	0.5	0
144	Microstructures and properties of Nbâ€“Si-based alloys with B addition. Rare Metals, 2019, , 1.	3.6	0

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145	Microstructures and phase transformation in directionally solidified TiAl-Nb alloys. China Foundry, 2020, 17, 402-408.	0.5	0