

Rubens Caram

List of Publications by Year in descending order

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139
papers

3,776
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159585

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140
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140
docs citations

140
times ranked

2804
citing authors

#	ARTICLE	IF	CITATIONS
1	Ductility improvement due to martensite β decomposition in porous Ti-6Al-4V parts produced by selective laser melting for orthopedic implants. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 54, 149-158.	3.1	187
2	Effects of Zr content on microstructure and corrosion resistance of Ti-30Nb-Zr casting alloys for biomedical applications. <i>Electrochimica Acta</i> , 2008, 53, 2809-2817.	5.2	171
3	Development of Ti-Mo alloys for biomedical applications: Microstructure and electrochemical characterization. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 452-453, 727-731.	5.6	154
4	Electrochemical corrosion behavior of a Ti-35Nb alloy for medical prostheses. <i>Electrochimica Acta</i> , 2008, 53, 4867-4874.	5.2	145
5	Electrochemical behavior of centrifuged cast and heat treated Ti-Cu alloys for medical applications. <i>Electrochimica Acta</i> , 2010, 55, 759-770.	5.2	125
6	Influence of cooling rate on microstructure of Ti-Nb alloy for orthopedic implants. <i>Materials Science and Engineering C</i> , 2007, 27, 908-913.	7.3	118
7	Effects of alloying elements on the cytotoxic response of titanium alloys. <i>Materials Science and Engineering C</i> , 2011, 31, 833-839.	7.3	112
8	Effects of Sn addition on the microstructure, mechanical properties and corrosion behavior of Ti-Nb-Sn alloys. <i>Materials Characterization</i> , 2014, 96, 273-281.	4.4	100
9	Effects of double aging heat treatment on the microstructure, Vickers hardness and elastic modulus of Ti-Nb alloys. <i>Materials Characterization</i> , 2011, 62, 673-680.	4.4	87
10	Aging response of the Ti-35Nb-7Zr-5Ta and Ti-35Nb-7Ta alloys. <i>Journal of Alloys and Compounds</i> , 2007, 433, 207-210.	5.5	85
11	Ti-Mo alloys employed as biomaterials: Effects of composition and aging heat treatment on microstructure and mechanical behavior. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 32, 31-38.	3.1	78
12	Effects of composition and heat treatment on the mechanical behavior of Ti-Cu alloys. <i>Materials & Design</i> , 2014, 55, 1006-1013.	5.1	77
13	High resolution transmission electron microscopy study of the hardening mechanism through phase separation in a β -Ti-35Nb-7Zr-5Ta alloy for implant applications. <i>Acta Biomaterialia</i> , 2010, 6, 1625-1629.	8.3	74
14	Effect of cooling rate on Ti-Cu eutectoid alloy microstructure. <i>Materials Science and Engineering C</i> , 2009, 29, 1023-1028.	7.3	71
15	Cytotoxicity study of some Ti alloys used as biomaterial. <i>Materials Science and Engineering C</i> , 2009, 29, 1365-1369.	7.3	62
16	Laser additive processing of a functionally graded internal fracture fixation plate. <i>Materials and Design</i> , 2017, 130, 8-15.	7.0	61
17	Correlations between aging heat treatment, β phase precipitation and mechanical properties of a cast Ti-Nb alloy. <i>Materials & Design</i> , 2011, 32, 2387-2390.	5.1	57
18	The role of Cu-based intermetallics on the pitting corrosion behavior of Sn-Cu, Ti-Cu and Al-Cu alloys. <i>Electrochimica Acta</i> , 2012, 77, 189-197.	5.2	57

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19	Hexagonal martensite decomposition and phase precipitation in Ti-Cu alloys. <i>Materials & Design</i> , 2011, 32, 4608-4613.	5.1	55
20	Recrystallization and grain growth in highly cold worked CP-Titanium. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 3994-4000.	5.6	52
21	Morphological evolution of transformation products and eutectoid transformation(s) in a hyper-eutectoid Ti-12at% Cu alloy. <i>Acta Materialia</i> , 2019, 168, 63-75.	7.9	50
22	Solute segregation and microstructure of directionally solidified austenitic stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 435-436, 139-144.	5.6	47
23	Mechanical, physical, and chemical characterization of Ti-35Nb-5Zr and Ti-35Nb-10Zr casting alloys. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 1629-1636.	3.6	43
24	PREPARATION AND CHARACTERIZATION OF Ti-Al-Nb ALLOYS FOR ORTHOPEDIC IMPLANTS. <i>Brazilian Journal of Chemical Engineering</i> , 1998, 15, 326-333.	1.3	40
25	Effect of the addition of Ta on microstructure and properties of Ti-Nb alloys. <i>Journal of Alloys and Compounds</i> , 2010, 504, 330-340.	5.5	39
26	β phase precipitation and mechanical properties of Nb-modified Ti-5553 alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 670, 112-121.	5.6	37
27	Influence of the growth rate on the microstructure of a Nb-Al-Ni ternary eutectic. <i>Journal of Crystal Growth</i> , 2002, 237-239, 90-94.	1.5	36
28	Directional solidification processing of eutectic alloys in the Ni-Al-V system. <i>Journal of Crystal Growth</i> , 2000, 211, 485-490.	1.5	33
29	Microstructure of Ni-Ni ₃ Si eutectic alloy produced by directional solidification. <i>Journal of Crystal Growth</i> , 1999, 198-199, 844-849.	1.5	32
30	Crystallographic texture evolution in Ti-35Nb alloy deformed by cold rolling. <i>Materials & Design</i> , 2014, 60, 653-660.	5.1	32
31	ISE and fracture toughness evaluation by Vickers hardness testing of an Al ₃ Nb-Nb ₂ Al-NbNi in situ composite. <i>Journal of Alloys and Compounds</i> , 2009, 472, 65-70.	5.5	30
32	On the selection of Ti-Cu alloys for thixoforming processes: phase diagram and microstructural evaluation. <i>Journal of Materials Science</i> , 2015, 50, 8007-8017.	3.7	30
33	The effect of Sn addition on phase stability and phase evolution during aging heat treatment in Ti-Mo alloys employed as biomaterials. <i>Materials Characterization</i> , 2015, 110, 5-13.	4.4	30
34	Microstructure, Mechanical Properties, and Electrochemical Behavior of Ti-Nb-Fe Alloys Applied as Biomaterials. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 3213-3226.	2.2	30
35	Influence of growth rate on the microstructure and mechanical behaviour of a Ni-Al-Mo eutectic alloy. <i>Journal of Alloys and Compounds</i> , 2004, 381, 91-98.	5.5	29
36	Microstructure and mechanical behavior of in situ Ni-Ni ₃ Si composite. <i>Journal of Alloys and Compounds</i> , 2007, 432, 167-171.	5.5	29

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37	Influence of Si addition on the microstructure and mechanical properties of Ti-35Nb alloy for applications in orthopedic implants. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 51, 74-87.	3.1	29
38	The effect of Zr and Sn additions on the microstructure of Ti-Nb-Fe gum metals with high elastic admissible strain. <i>Materials and Design</i> , 2018, 160, 1186-1195.	7.0	29
39	Effects of double-aging heat-treatments on the microstructure and mechanical behavior of an Nb-modified Ti-5553 alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 743, 716-725.	5.6	28
40	Effect of the growth parameters on the Ni-Ni ₃ Si eutectic microstructure. <i>Journal of Crystal Growth</i> , 2002, 237-239, 95-100.	1.5	27
41	Growth and characterization of the NiAl-NiAlNb eutectic structure. <i>Journal of Crystal Growth</i> , 2005, 275, e147-e152.	1.5	27
42	Rapid quenching of semisolid Ti-Cu alloys: Insights into globular microstructure formation and coarsening. <i>Acta Materialia</i> , 2017, 139, 86-95.	7.9	27
43	Femoral hip stem prosthesis made of graded elastic modulus metastable β^2 Ti Alloy. <i>Materials & Design</i> , 2015, 69, 30-36.	5.1	26
44	Melting behavior and globular microstructure formation in semi-solid CoCrCu FeNi high-entropy alloys. <i>Journal of Materials Science and Technology</i> , 2020, 52, 207-217.	10.7	26
45	Directional growth of Al-Nb-X eutectic alloys. <i>Journal of Crystal Growth</i> , 2000, 211, 466-470.	1.5	25
46	Effects of substrate microstructure on the formation of oriented oxide nanotube arrays on Ti and Ti alloys. <i>Applied Surface Science</i> , 2013, 285, 226-234.	6.1	25
47	A novel proposal to manipulate the properties of titanium parts by laser surface alloying. <i>Scripta Materialia</i> , 2013, 68, 471-474.	5.2	25
48	Directional solidification of Pb-Sn eutectic with vibration. <i>Journal of Crystal Growth</i> , 1991, 114, 249-254.	1.5	24
49	Growth morphology of the NiAl-V in situ composites. <i>Journal of Materials Processing Technology</i> , 2003, 143-144, 629-635.	6.3	24
50	Fe-Al-Nb phase diagram investigation and directional growth of the (Fe, Al) ₂ Nb-(Fe, Al, Nb) _{ss} eutectic system. <i>Journal of Alloys and Compounds</i> , 2005, 399, 196-201.	5.5	24
51	Growth and three-dimensional analysis of a Nb-Al-Ni ternary eutectic. <i>Materials Characterization</i> , 2008, 59, 693-699.	4.4	24
52	Solute segregation and its influence on the microstructure and electrochemical behavior of Ti-Nb-Zr alloys. <i>Journal of Alloys and Compounds</i> , 2009, 478, 111-116.	5.5	24
53	Microstructure of directionally solidified Ti-Fe eutectic alloy with low interstitial and high mechanical strength. <i>Journal of Crystal Growth</i> , 2011, 333, 40-47.	1.5	24
54	CrCuFeMnNi high-entropy alloys for semisolid processing: The effect of copper on phase formation, melting behavior, and semisolid microstructure. <i>Materials Characterization</i> , 2021, 178, 111260.	4.4	24

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55	Effects of Omega Phase on Elastic Modulus of Ti-Nb Alloys as a Function of Composition and Cooling Rate. <i>Solid State Phenomena</i> , 0, 138, 393-398.	0.3	23
56	Anelastic spectroscopy in a Ti alloy used as biomaterial. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 521-522, 59-62.	5.6	23
57	Orthorhombic martensite formation upon aging in a Ti-30Nb-4Sn alloy. <i>Materials Chemistry and Physics</i> , 2016, 183, 238-246.	4.0	23
58	Microstructure and mechanical behavior of the directionally solidified AlCoCrFeNi _{2.1} eutectic high-entropy alloy. <i>Journal of Materials Research and Technology</i> , 2022, 20, 811-820.	5.8	23
59	Solute lean Ti-Nb-Fe alloys: An exploratory study. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 65, 761-769.	3.1	22
60	Growth and solid/solid transformation in a Ni-Si eutectic alloy. <i>Journal of Alloys and Compounds</i> , 2005, 399, 202-207.	5.5	21
61	In situ characterization of the effects of Nb and Sn on the anatase-rutile transition in TiO ₂ nanotubes using high-temperature X-ray diffraction. <i>Applied Surface Science</i> , 2014, 307, 372-381.	6.1	21
62	Primary dendrite spacing as a function of directional solidification parameters in an Al-Si-Cu alloy. <i>Journal of Crystal Growth</i> , 1997, 174, 65-69.	1.5	19
63	A novel ternary eutectic in the Nb-Al-Ni system. <i>Scripta Materialia</i> , 2003, 48, 1495-1500.	5.2	19
64	Effects of cooling rate on the microstructure and solute partitioning in near eutectoid Ti-Cu alloys. <i>Philosophical Magazine</i> , 2014, 94, 2350-2371.	1.6	19
65	Surface stiffness gradient in Ti parts obtained by laser surface alloying with Cu and Nb. <i>Surface and Coatings Technology</i> , 2016, 297, 34-42.	4.8	19
66	Directional growth and characterization of Fe-Al-Nb eutectic alloys. <i>Journal of Crystal Growth</i> , 1999, 198-199, 850-855.	1.5	18
67	Directional solidification, microstructure and properties of the Al eutectic. <i>Journal of Crystal Growth</i> , 2005, 275, e153-e158.	1.5	18
68	Mechanical Properties and Fracture Behavior of Directionally Solidified NiAl-V Eutectic Composites. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 557-565.	2.2	18
69	Influence of convection on rod spacing of eutectics. <i>Journal of Crystal Growth</i> , 1990, 106, 294-302.	1.5	17
70	Growth and microstructural characterization of SnSe-SnSe ₂ composite. <i>Journal of Materials Science</i> , 1999, 34, 4607-4612.	3.7	17
71	On the hardenability of Nb-modified metastable beta Ti-5553 alloy. <i>Journal of Alloys and Compounds</i> , 2016, 667, 211-218.	5.5	17
72	3D thixo-printing: A novel approach for additive manufacturing of biodegradable Mg-Zn alloys. <i>Materials and Design</i> , 2020, 196, 109161.	7.0	17

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73	Directional solidification of a Sn-Se eutectic alloy using the Bridgman-Stockbarger method. Journal of Crystal Growth, 1996, 166, 398-401.	1.5	16
74	Microstructure of the microalloyed NiAl–V eutectics. Materials Letters, 2002, 55, 126-131.	2.6	16
75	Fracture toughness of the eutectic alloy Al ₃ Nb–Nb ₂ Al. Materials Letters, 2003, 57, 3949-3953.	2.6	16
76	Growth and morphological characterization of Al–Cr–Nb eutectic alloys. Journal of Alloys and Compounds, 2005, 402, 156-161.	5.5	16
77	Alpha phase precipitation in Ti-30Nb-1Fe alloys – phase transformations in continuous heating and aging heat treatments. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 677, 222-229.	5.6	16
78	Application of a Genetic Algorithm to Optimize Purification in the Zone Refining Process. Materials and Manufacturing Processes, 2011, 26, 493-500.	4.7	15
79	In-situ microstructural observation of Ti-Cu alloys for semi-solid processing. Materials Characterization, 2018, 145, 10-19.	4.4	15
80	Microstructure and metastable phase formation in a rapidly solidified Ni–Si eutectic alloy using a melt-spinning technique. Journal of Alloys and Compounds, 2004, 381, 72-76.	5.5	14
81	Microstructure evolution of Ti–30Nb–(4Sn) alloys during classical and step-quench aging heat treatments. Materials Science and Technology, 2017, 33, 400-407.	1.6	14
82	Lamellar spacing selection in a directionally solidified Sn–Se eutectic alloy. Journal of Crystal Growth, 1997, 174, 70-75.	1.5	12
83	Simulation of CP-Ti Recrystallization and Grain Growth by a Cellular Automata Algorithm: Simulated Versus Experimental Results. Materials Research, 2017, 20, 688-701.	1.3	12
84	Anodization growth of TiO ₂ nanotubes on Ti–35Nb–7Zr–5Ta alloy: effects of anodization time, strain hardening, and crystallographic texture. Journal of Materials Science, 2019, 54, 13724-13739.	3.7	12
85	Eutectic alloy microstructure: atomic force microscopy analysis. Applied Surface Science, 2005, 240, 414-423.	6.1	11
86	Growth and microstructure evolution of the Nb ₂ Al–Al ₃ Nb eutectic in situ composite. Materials Characterization, 2005, 54, 187-193.	4.4	11
87	Effects of Cooling Rate and Sn Addition on the Microstructure of Ti-Nb-Sn Alloys. Solid State Phenomena, 0, 172-174, 190-195.	0.3	11
88	Reducing <i>S. taphylococcus aureus</i> growth on Ti alloy nanostructured surfaces through the addition of <i>S. n</i> . Journal of Biomedical Materials Research - Part A, 2015, 103, 3757-3763.	4.0	11
89	Arc Synthesis, Crystal Structure, and Photoelectrochemistry of Copper(I) Tungstate. ACS Applied Materials & Interfaces, 2021, 13, 32865-32875.	8.0	11
90	Directional and rapid solidification of Al–Nb–Ni ternary eutectic alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 565-570.	5.6	10

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91	Preparation and characterization of ordered intermetallic platinum phases for electrocatalytic applications. <i>Intermetallics</i> , 2008, 16, 246-254.	3.9	10
92	Effects of Aging Heat Treatment on the Microstructure of Ti-Nb and Ti-Nb-Sn Alloys Employed as Biomaterials. <i>Advanced Materials Research</i> , 0, 324, 61-64.	0.3	9
93	Influence of heating rate and aging temperature on omega and alpha phase precipitation in Ti 35Nb alloy. <i>Materials Characterization</i> , 2018, 145, 268-276.	4.4	9
94	Thixoforming of titanium: The microstructure and processability of semisolid Ti-Cu-Fe alloys. <i>Vacuum</i> , 2020, 180, 109567.	3.5	9
95	A novel Ag doping Ti alloys route: Formation and antibacterial effect of the TiO ₂ nanotubes. <i>Materials Chemistry and Physics</i> , 2021, 261, 124192.	4.0	9
96	Crystalline phase of TiO ₂ nanotube arrays on Ti-35Nb-4Zr alloy: Surface roughness, electrochemical behavior and cellular response. <i>Ceramics International</i> , 2022, 48, 5154-5161.	4.8	9
97	Effects of Composition on Solidification Microstructure of Cast Titanium Alloys. <i>Materials Science Forum</i> , 0, 649, 183-188.	0.3	8
98	Grain Boundary Sliding Phenomenon and Its Effect on High Temperature Ductility of Ni-Base Alloys. <i>Materials Science Forum</i> , 0, 638-642, 2858-2863.	0.3	8
99	Effects of the microstructural characteristics of a metastable β^2 Ti alloy on its corrosion fatigue properties. <i>International Journal of Fatigue</i> , 2013, 54, 32-37.	5.7	8
100	Production and characterization of TiO ₂ nanotubes on Ti-Nb-Mo-Sn system for biomedical applications. <i>Surface and Coatings Technology</i> , 2017, 326, 126-133.	4.8	8
101	Self-organized TiO ₂ nanotube layer on Ti-Nb-Zr alloys: growth, characterization, and effect on corrosion behavior. <i>Journal of Applied Electrochemistry</i> , 2019, 49, 1079-1089.	2.9	8
102	Microstructure of undercooled SnSe-SnSe ₂ hypoeutectic alloy. <i>Journal of Alloys and Compounds</i> , 2004, 375, 142-146.	5.5	7
103	Characterization of the photoactivity of nanotube layers grown on Ti-35Nb and Ti-35Nb-4Sn alloys. <i>Journal of Materials Science</i> , 2016, 51, 9384-9393.	3.7	7
104	High strength biomedical Ti-13Mo-6Sn alloy: Processing routes, microstructural evolution and mechanical behavior. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 764, 138190.	5.6	7
105	In Situ Scanning Electron Microscopy High Temperature Deformation Experiments to Study Ductility Dip Cracking of Ni-Cr-Fe Alloys. , 2010, , 27-39.		7
106	Effect of Heat Treatments on Mechanical Properties and Fatigue Resistance of Ti-35Nb Alloy Used as Biomaterial. <i>Materials Science Forum</i> , 0, 636-637, 68-75.	0.3	6
107	Texture Development in Cold Deformed and Recrystallized Ti-30Nb-4Sn Alloy and Its Effects on Hardness and Young's Modulus. <i>Advanced Engineering Materials</i> , 2017, 19, 1600058.	3.5	6
108	Observations on the compression properties of semisolid Ti-Cu alloys. <i>Journal of Materials Research and Technology</i> , 2020, 9, 15802-15810.	5.8	6

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109	Evaluation of the solid/liquid interface undercooling during Sn-Se Eutectic growth. <i>Materials Research</i> , 1998, 1, 05-10.	1.3	5
110	Electrochromic Properties of Sol-gel Coating of Nb ₂ O ₅ and Nb ₂ O ₅ :Li ⁺ . <i>Materials Research</i> , 2002, 5, 43-46.	1.3	5
111	Fracture toughness of a directionally solidified Al-Nb-Ni ternary eutectic. <i>Materials & Design</i> , 2012, 33, 563-568.	5.1	5
112	Effect of partial replacement of V with Nb on phase transformations and mechanical properties of Ti-5553 alloy. <i>Materials Letters</i> , 2018, 220, 205-208.	2.6	5
113	Crystallographic features of the Al ₃ Nb, Nb ₂ Al and Nb(NiAl) ₂ phases in a directionally solidified ternary eutectic microstructure. <i>Materials Characterization</i> , 2019, 147, 303-310.	4.4	5
114	Exploring the Ti-5553 phase transformations utilizing in-situ high-temperature laser-scanning confocal microscopy. <i>Materials Characterization</i> , 2020, 159, 110013.	4.4	5
115	Eutectic Microstructure Evolution in a Directionally Solidified Nb-Al Alloy. <i>Materials Science Forum</i> , 2000, 329-330, 179-184.	0.3	4
116	Liquidus projection of the Nb-Cr-Al system near the Al ₃ (Nb,Cr)+Cr(Al,Nb) eutectic region. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 424, 77-82.	5.6	4
117	Evaluation of lamellar spacing selection in eutectic alloys using phase field model. <i>Computational Materials Science</i> , 2008, 44, 695-701.	3.0	4
118	Application of coupled substrate aging and TiO ₂ nanotube crystallization heat treatments in cold-rolled Ti-Nb-Sn alloys. <i>Journal of Materials Science</i> , 2016, 51, 6389-6399.	3.7	4
119	Microstructural and Mechanical Characterization of Directionally Solidified Conventional and Nb-Modified Mar-M247 Superalloy. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 2427-2438.	2.5	4
120	Stiffness and hardness gradients obtained by laser surface melting of an aged β -Ti alloy. <i>Materials Letters</i> , 2020, 260, 126901.	2.6	4
121	Experimental and computational investigation of Ti-Nb-Fe-Zr alloys with limited Fe contents for biomedical applications. <i>Journal of Materials Science</i> , 2021, 56, 11494-11510.	3.7	4
122	Influence of Solidification Thermal Parameters on the Microstructure of an Aluminum Alloy. <i>Journal of Materials Science Letters</i> , 1998, 17, 1559-1562.	0.5	3
123	Hardening Mechanism through Phase Separation of Beta Ti-35Nb-7Zr-5Ta and Ti-35Nb-7Ta Alloys. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1487, 19.	0.1	3
124	Formation of alpha phase via pseudospinodal decomposition in Ti-Nb-Fe based alloys. <i>Materials Letters</i> , 2017, 189, 201-205.	2.6	3
125	Achieving high strength and low Young's modulus in martensitic Ti-Nb-O alloys. <i>Materials Letters</i> , 2021, 301, 130308.	2.6	3
126	Self-organized TiO ₂ nanotubes on Ti-Nb-Fe alloys for biomedical applications: Synthesis and characterization. <i>Electrochemistry Communications</i> , 2022, 138, 107280.	4.7	3

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127	Anelastic relaxation due to hydrogen in Ti-35Nb-7Zr-5Ta alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 3326-3329.	5.6	2
128	Laser surface alloying applied on Ti-3Mo and Ti-10Nb sintered parts. <i>Surface and Coatings Technology</i> , 2021, 407, 126773.	4.8	2
129	The magnetic properties of Fe-Al-Nb intermetallic compounds. , 0, , .		1
130	On the properties of the eutectic alloy Al ₃ (Nb,Cr)+Cr(Al,Nb). <i>Journal of Alloys and Compounds</i> , 2008, 464, 162-167.	5.5	1
131	Investigation on the Production of Thixotropic Semisolid Ti Alloys. <i>Materials Science Forum</i> , 2010, 649, 119-124.	0.3	1
132	Phase separation in Beta Ti alloys through HRTEM characterization.. <i>Microscopy and Microanalysis</i> , 2012, 18, 758-759.	0.4	1
133	Isothermal omega Assisted Alpha Phase Precipitation and Microstructural Evolution of an Aged Ti-30Nb-3Fe Alloy. <i>Materials Research</i> , 2020, 23, .	1.3	1
134	Solidification Microstructure Investigation of a Ni-Ni ₃ Si Eutectic Alloy. <i>Materials Science Forum</i> , 2000, 329-330, 167-172.	0.3	0
135	Oxidation behavior and thermal stability of a Ni ₃ Al-V eutectic alloy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 1019-1024.	1.8	0
136	Editorial: Titanium Alloys: Properties, Processing and Applications. <i>Advanced Engineering Materials</i> , 2017, 19, 1700168.	3.5	0
137	Effects of Electrodifusion on the Pb-Sn Eutectic Growth. <i>Brazilian Journal of Chemical Engineering</i> , 1998, 15, 91-97.	1.3	0
138	Transformações de fase e medidas de resistividade elétrica em ligas de titânio. , 0, , .		0
139	Phase transformations during continuous heating: effect of Sn addition on the microstructure of Ti-13Mo alloy. <i>MATEC Web of Conferences</i> , 2020, 321, 05017.	0.2	0