Rubens Caram

List of Publications by Year
in descending order

139 papers	3,776 citations	159358 30 h-index	161609 54 g-index
140 all docs	140 docs citations	140 times ranked	2804 citing authors

#	Article	IF	Citations
1	Ductility improvement due to martensite Î±â€² decomposition in porous Tiâ€“6Alâ€“4V parts produced by selective laser melting for orthopedic implants. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 54, 149-158.	1.5	187
2	Effects of Zr content on microstructure and corrosion resistance of Tiâ€“30Nbâ€“Zr casting alloys for biomedical applications. Electrochimica Acta, 2008, 53, 2809-2817.	2.6	171
3	Development of Tiâ€“Mo alloys for biomedical applications: Microstructure and electrochemical characterization. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 452-453, 727-731.	2.6	154
4	Electrochemical corrosion behavior of a Tiâ€“35Nb alloy for medical prostheses. Electrochimica Acta, 2008, 53, 4867-4874.	2.6	145
5	Electrochemical behavior of centrifuged cast and heat treated Tiâ€“Cu alloys for medical applications. Electrochimica Acta, 2010, 55, 759-770.	2.6	125
6	Influence of cooling rate on microstructure of Tiâ€“Nb alloy for orthopedic implants. Materials Science and Engineering C, 2007, 27, 908-913.	3.8	118
7	Effects of alloying elements on the cytotoxic response of titanium alloys. Materials Science and Engineering C, 2011, 31, 833-839.	3.8	112
8	Effects of Sn addition on the microstructure, mechanical properties and corrosion behavior of Tiâ€“Nbâ€“Sn alloys. Materials Characterization, 2014, 96, 273-281.	1.9	100
9	Effects of double aging heat treatment on the microstructure, Vickers hardness and elastic modulus of Tiâ€“Nb alloys. Materials Characterization, 2011, 62, 673-680.	1.9	87
10	Aging response of the Tiâ€“35Nbâ€“7Zrâ€“5Ta and Tiâ€“35Nbâ€“7Ta alloys. Journal of Alloys and Compounds, 2007, 433, 207-210.	2.8	85
11	Tiâ€“Mo alloys employed as biomaterials: Effects of composition and aging heat treatment on microstructure and mechanical behavior. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 32, 31-38.	1.5	78
12	Effects of composition and heat treatment on the mechanical behavior of Tiâ€“Cu alloys. Materials & Design, 2014, 55, 1006-1013.	5.1	77
13	High resolution transmission electron microscopy study of the hardening mechanism through phase separation in a Î²-Tiâ€“35Nbâ€“7Zrâ€“5Ta alloy for implant applications. Acta Biomaterialia, 2010, 6, 1625-1629.	4.1	74
14	Effect of cooling rate on Tiâ€“Cu eutectoid alloy microstructure. Materials Science and Engineering C, 2009, 29, 1023-1028.	3.8	71
15	Cytotoxicity study of some Ti alloys used as biomaterial. Materials Science and Engineering C, 2009, 29, 1365-1369.	3.8	62
16	Laser additive processing of a functionally graded internal fracture fixation plate. Materials and Design, 2017, 130, 8-15.	3.3	61
17	Correlations between aging heat treatment, Ï‰ phase precipitation and mechanical properties of a cast Tiâ€“Nb alloy. Materials & Design, 2011, 32, 2387-2390.	5.1	57
18	The role of Cu-based intermetallics on the pitting corrosion behavior of Snâ€“Cu, Tiâ€“Cu and Alâ€“Cu alloys. Electrochimica Acta, 2012, 77, 189-197.	2.6	57

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19	Hexagonal martensite decomposition and phase precipitation in Tiâ€“Cu alloys. Materials & Design, 2011, 32, 4608-4613.	5.1	55
20	Recrystallization and grain growth in highly cold worked CP-Titanium. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 3994-4000.	2.6	52
21	Morphological evolution of transformation products and eutectoid transformation(s) in a hyper-eutectoid Ti-12â€¯at% Cu alloy. Acta Materialia, 2019, 168, 63-75.	3.8	50
22	Solute segregation and microstructure of directionally solidified austenitic stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 435-436, 139-144.	2.6	47
23	Mechanical, physical, and chemical characterization of Tiâ€“35Nbâ€“5Zr and Tiâ€“35Nbâ€“10Zr casting alloys. Journal of Materials Science: Materials in Medicine, 2009, 20, 1629-1636.	1.7	43
24	PREPARATION AND CHARACTERIZATION OF Ti-Al-Nb ALLOYS FOR ORTHOPEDIC IMPLANTS. Brazilian Journal of Chemical Engineering, 1998, 15, 326-333.	0.7	40
25	Effect of the addition of Ta on microstructure and properties of Tiâ€“Nb alloys. Journal of Alloys and Compounds, 2010, 504, 330-340.	2.8	39
26	Î± phase precipitation and mechanical properties of Nb-modified Ti-5553 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 670, 112-121.	2.6	37
27	Influence of the growth rate on the microstructure of a Nbâ€“Alâ€“Ni ternary eutectic. Journal of Crystal Growth, 2002, 237-239, 90-94.	0.7	36
28	Directional solidification processing of eutectic alloys in the Niâ€“Alâ€“V system. Journal of Crystal Growth, 2000, 211, 485-490.	0.7	33
29	Microstructure of Niâ€“Ni3Si eutectic alloy produced by directional solidification. Journal of Crystal Growth, 1999, 198-199, 844-849.	0.7	32
30	Crystallographic texture evolution in Tiâ€“35Nb alloy deformed by cold rolling. Materials & Design, 2014, 60, 653-660.	5.1	32
31	ISE and fracture toughness evaluation by Vickers hardness testing of an Al3Nbâ€“Nb2Alâ€“AlNbNi in situ composite. Journal of Alloys and Compounds, 2009, 472, 65-70.	2.8	30
32	On the selection of Tiâ€“Cu alloys for thixoforming processes: phase diagram and microstructural evaluation. Journal of Materials Science, 2015, 50, 8007-8017.	1.7	30
33	The effect of Sn addition on phase stability and phase evolution during aging heat treatment in Tiâ€“Mo alloys employed as biomaterials. Materials Characterization, 2015, 110, 5-13.	1.9	30
34	Microstructure, Mechanical Properties, and Electrochemical Behavior of Ti-Nb-Fe Alloys Applied as Biomaterials. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 3213-3226.	1.1	30
35	Influence of growth rate on the microstructure and mechanical behaviour of a NiAlâ€“Mo eutectic alloy. Journal of Alloys and Compounds, 2004, 381, 91-98.	2.8	29
36	Microstructure and mechanical behavior of in situ Niâ€“Ni3Si composite. Journal of Alloys and Compounds, 2007, 432, 167-171.	2.8	29

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37	Influence of Si addition on the microstructure and mechanical properties of Tiâ€"35Nb alloy for applications in orthopedic implants. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 51, 74-87.	1.5	29
38	The effect of Zr and Sn additions on the microstructure of Ti-Nb-Fe gum metals with high elastic admissible strain. Materials and Design, 2018, 160, 1186-1195.	3.3	29
39	Effects of double-aging heat-treatments on the microstructure and mechanical behavior of an Nb-modified Ti-5553 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 743, 716-725.	2.6	28
40	Effect of the growth parameters on the Niâ€"Ni3Si eutectic microstructure. Journal of Crystal Growth, 2002, 237-239, 95-100.	0.7	27
41	Growth and characterization of the NiAlâ€"NiAlNb eutectic structure. Journal of Crystal Growth, 2005, 275, e147-e152.	0.7	27
42	Rapid quenching of semisolid Ti-Cu alloys: Insights into globular microstructure formation and coarsening. Acta Materialia, 2017, 139, 86-95.	3.8	27
43	Femoral hip stem prosthesis made of graded elastic modulus metastable Î² Ti Alloy. Materials & Design, 2015, 69, 30-36.	5.1	26
44	Melting behavior and globular microstructure formation in semi-solid CoCrCu FeNi high-entropy alloys. Journal of Materials Science and Technology, 2020, 52, 207-217.	5.6	26
45	Directional growth of Al-Nb-X eutectic alloys. Journal of Crystal Growth, 2000, 211, 466-470.	0.7	25
46	Effects of substrate microstructure on the formation of oriented oxide nanotube arrays on Ti and Ti alloys. Applied Surface Science, 2013, 285, 226-234.	3.1	25
47	A novel proposal to manipulate the properties of titanium parts by laser surface alloying. Scripta Materialia, 2013, 68, 471-474.	2.6	25
48	Directional solidification of Pbâ€"Sn eutectic with vibration. Journal of Crystal Growth, 1991, 114, 249-254.	0.7	24
49	Growth morphology of the NiAlâ€"V in situ composites. Journal of Materials Processing Technology, 2003, 143-144, 629-635.	3.1	24
50	Feâ€"Alâ€"Nb phase diagram investigation and directional growth of the (Fe, Al)2Nbâ€"(Fe, Al, Nb)ss eutectic system. Journal of Alloys and Compounds, 2005, 399, 196-201.	2.8	24
51	Growth and three-dimensional analysis of a Nbâ€"Alâ€"Ni ternary eutectic. Materials Characterization, 2008, 59, 693-699.	1.9	24
52	Solute segregation and its influence on the microstructure and electrochemical behavior of Tiâ€"Nbâ€"Zr alloys. Journal of Alloys and Compounds, 2009, 478, 111-116.	2.8	24
53	Microstructure of directionally solidified Tiâ€"Fe eutectic alloy with low interstitial and high mechanical strength. Journal of Crystal Growth, 2011, 333, 40-47.	0.7	24
54	CrCuFeMnNi high-entropy alloys for semisolid processing: The effect of copper on phase formation, melting behavior, and semisolid microstructure. Materials Characterization, 2021, 178, 111260.	1.9	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. Solid State Phenomena, 0, 138, 393-398.	0.3	23
56	Anelastic spectroscopy in a Ti alloy used as biomaterial. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 521-522, 59-62.	2.6	23
57	Orthorhombic martensite formation upon aging in a Ti-30Nb-4Sn alloy. Materials Chemistry and Physics, 2016, 183, 238-246.	2.0	23
58	Microstructure and mechanical behavior of the directionally solidified AlCoCrFeNi2.1 eutectic high-entropy alloy. Journal of Materials Research and Technology, 2022, 20, 811-820.	2.6	23
59	Solute lean Ti-Nb-Fe alloys: An exploratory study. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 65, 761-769.	1.5	22
60	Growth and solid/solid transformation in a Niâ€“Si eutectic alloy. Journal of Alloys and Compounds, 2005, 399, 202-207.	2.8	21
61	In situ characterization of the effects of Nb and Sn on the anataseâ€“rutile transition in TiO2 nanotubes using high-temperature X-ray diffraction. Applied Surface Science, 2014, 307, 372-381.	3.1	21
62	Primary dendrite spacing as a function of directional solidification parameters in an Alî—¸Siî—¸Cu alloy. Journal of Crystal Growth, 1997, 174, 65-69.	0.7	19
63	A novel ternary eutectic in the Nbâ€“Alâ€“Ni system. Scripta Materialia, 2003, 48, 1495-1500.	2.6	19
64	Effects of cooling rate on the microstructure and solute partitioning in near eutectoid Tiâ€“Cu alloys. Philosophical Magazine, 2014, 94, 2350-2371.	0.7	19
65	Surface stiffness gradient in Ti parts obtained by laser surface alloying with Cu and Nb. Surface and Coatings Technology, 2016, 297, 34-42.	2.2	19
66	Directional growth and characterization of Feâ€“Alâ€“Nb eutectic alloys. Journal of Crystal Growth, 1999, 198-199, 850-855.	0.7	18
67	Directional solidification, microstructure and properties of the â€“ eutectic. Journal of Crystal Growth, 2005, 275, e153-e158.	0.7	18
68	Mechanical Properties and Fracture Behavior of Directionally Solidified NiAl-V Eutectic Composites. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 557-565.	1.1	18
69	Influence of convection on rod spacing of eutectics. Journal of Crystal Growth, 1990, 106, 294-302.	0.7	17
70	Growth and microstructural characterization of SnSe-SnSe2 composite. Journal of Materials Science, 1999, 34, 4607-4612.	1.7	17
71	On the hardenability of Nb-modified metastable beta Ti-5553 alloy. Journal of Alloys and Compounds, 2016, 667, 211-218.	2.8	17
72	3D thixo-printing: A novel approach for additive manufacturing of biodegradable Mg-Zn alloys. Materials and Design, 2020, 196, 109161.	3.3	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.	0.7	16
74	Microstructure of the microalloyed NiAlâ€“V eutectics. Materials Letters, 2002, 55, 126-131.	1.3	16
75	Fracture toughness of the eutectic alloy Al3Nb-Nb2Al. Materials Letters, 2003, 57, 3949-3953.	1.3	16
76	Growth and morphological characterization of Alâ€“Crâ€“Nb eutectic alloys. Journal of Alloys and Compounds, 2005, 402, 156-161.	2.8	16
77	Alpha phase precipitation in Ti-30Nb-1Fe alloys â€“ phase transformations in continuous heating and aging heat treatments. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 677, 222-229.	2.6	16
78	Application of a Genetic Algorithm to Optimize Purification in the Zone Refining Process. Materials and Manufacturing Processes, 2011, 26, 493-500.	2.7	15
79	In-situ microstructural observation of Ti-Cu alloys for semi-solid processing. Materials Characterization, 2018, 145, 10-19.	1.9	15
80	Microstructure and metastable phase formation in a rapidly solidified Niâ€“Si eutectic alloy using a melt-spinning technique. Journal of Alloys and Compounds, 2004, 381, 72-76.	2.8	14
81	Microstructure evolution of Tiâ€“30Nbâ€“(4Sn) alloys during classical and step-quench aging heat treatments. Materials Science and Technology, 2017, 33, 400-407.	0.8	14
82	Lamellar spacing selection in a directionally solidified Snî—¸Se eutectic alloy. Journal of Crystal Growth, 1997, 174, 70-75.	0.7	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.	0.6	12
84	Anodization growth of TiO2 nanotubes on Tiâ€“35Nbâ€“7Zrâ€“5Ta alloy: effects of anodization time, strain hardening, and crystallographic texture. Journal of Materials Science, 2019, 54, 13724-13739.	1.7	12
85	Eutectic alloy microstructure: atomic force microscopy analysis. Applied Surface Science, 2005, 240, 414-423.	3.1	11
86	Growth and microstructure evolution of the Nb2Alâ€“Al3Nb eutectic in situ composite. Materials Characterization, 2005, 54, 187-193.	1.9	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	<scp>R</scp>educing <scp><i>S</i></scp><i>taphylococcus aureus</i> growth on <scp>T</scp>i alloy nanostructured surfaces through the addition of <scp>S</scp>n. Journal of Biomedical Materials Research - Part A, 2015, 103, 3757-3763.	2.1	11
89	Arc Synthesis, Crystal Structure, and Photoelectrochemistry of Copper(I) Tungstate. ACS Applied Materials & Interfaces, 2021, 13, 32865-32875.	4.0	11
90	Directional and rapid solidification of Alâ€“Nbâ€“Ni ternary eutectic alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 565-570.	2.6	10

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91	Preparation and characterization of ordered intermetallic platinum phases for electrocatalytic applications. Intermetallics, 2008, 16, 246-254.	1.8	10
92	Effects of Aging Heat Treatment on the Microstructure of Ti-Nb and Ti-Nb-Sn Alloys Employed as Biomaterials. Advanced Materials Research, 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. Materials Characterization, 2018, 145, 268-276.	1.9	9
94	Thixoforming of titanium: The microstructure and processability of semisolid Ti-Cu-Fe alloys. Vacuum, 2020, 180, 109567.	1.6	9
95	A novel Ag doping Ti alloys route: Formation and antibacterial effect of the TiO2 nanotubes. Materials Chemistry and Physics, 2021, 261, 124192.	2.0	9
96	Crystalline phase of TiO2 nanotube arrays on Tiâ€“35Nbâ€“4Zr alloy: Surface roughness, electrochemical behavior and cellular response. Ceramics International, 2022, 48, 5154-5161.	2.3	9
97	Effects of Composition on Solidification Microstructure of Cast Titanium Alloys. Materials Science Forum, 0, 649, 183-188.	0.3	8
98	Grain Boundary Sliding Phenomenon and Its Effect on High Temperature Ductility of Ni-Base Alloys. Materials Science Forum, 0, 638-642, 2858-2863.	0.3	8
99	Effects of the microstructural characteristics of a metastable Î² Ti alloy on its corrosion fatigue properties. International Journal of Fatigue, 2013, 54, 32-37.	2.8	8
100	Production and characterization of TiO2 nanotubes on Ti-Nb-Mo-Sn system for biomedical applications. Surface and Coatings Technology, 2017, 326, 126-133.	2.2	8
101	Self-organized TiO2 nanotube layer on Tiâ€“Nbâ€“Zr alloys: growth, characterization, and effect on corrosion behavior. Journal of Applied Electrochemistry, 2019, 49, 1079-1089.	1.5	8
102	Microstructure of undercooled SnSeâ€“SnSe2 hypoeutectic alloy. Journal of Alloys and Compounds, 2004, 375, 142-146.	2.8	7
103	Characterization of the photoactivity of nanotube layers grown on Tiâ€“35Nb and Tiâ€“35Nbâ€“4Sn alloys. Journal of Materials Science, 2016, 51, 9384-9393.	1.7	7
104	High strength biomedical Tiâ€“13Moâ€“6Sn alloy: Processing routes, microstructural evolution and mechanical behavior. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 764, 138190.	2.6	7
105	In Situ Scanning Electron Microscopy High Temperature Deformation Experiments to Study Ductility Dip Cracking of Niâ€“Crâ€“Fe Alloys. , 2010, , 27-39.		7
106	Effect of Heat Treatments on Mechanical Properties and Fatigue Resistance of Ti-35Nb Alloy Used as Biomaterial. Materials Science Forum, 0, 636-637, 68-75.	0.3	6
107	Texture Development in Cold Deformed and Recrystallized Tiâ€“30Nbâ€“4Sn Alloy and Its Effects on Hardness and Young's Modulus. Advanced Engineering Materials, 2017, 19, 1600058.	1.6	6
108	Observations on the compression properties of semisolid Tiâ€“Cu alloys. Journal of Materials Research and Technology, 2020, 9, 15802-15810.	2.6	6

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109	Evaluation of the solid/liquid interface undercooling during Sn-Se Eutectic growth. Materials Research, 1998, 1, 05-10.	0.6	5
110	Electrochromic Properties of Sol-gel Coating of Nb2O5 and Nb2O5:Li+. Materials Research, 2002, 5, 43-46.	0.6	5
111	Fracture toughness of a directionally solidified Alâ€“Nbâ€“Ni ternary eutectic. Materials & Design, 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. Materials Letters, 2018, 220, 205-208.	1.3	5
113	Crystallographic features of the Al3Nb, Nb2Al and Nb(Ni1â^'XAlX)2 phases in a directionally solidified ternary eutectic microstructure. Materials Characterization, 2019, 147, 303-310.	1.9	5
114	Exploring the Ti-5553 phase transformations utilizing in-situ high-temperature laser-scanning confocal microscopy. Materials Characterization, 2020, 159, 110013.	1.9	5
115	Eutectic Mircostructure Evolution in a Directionally Solidified Nb-Al Alloy. Materials Science Forum, 2000, 329-330, 179-184.	0.3	4
116	Liquidus projection of the Nbâ€“Crâ€“Al system near the Al3(Nb,Cr)+Cr(Al,Nb) eutectic region. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 424, 77-82.	2.6	4
117	Evaluation of lamellar spacing selection in eutectic alloys using phase field model. Computational Materials Science, 2008, 44, 695-701.	1.4	4
118	Application of coupled substrate aging and TiO2 nanotube crystallization heat treatments in cold-rolled Tiâ€“Nbâ€“Sn alloys. Journal of Materials Science, 2016, 51, 6389-6399.	1.7	4
119	Microstructural and Mechanical Characterization of Directionally Solidified Conventional and Nb-Modified Mar-M247 Superalloy. Journal of Materials Engineering and Performance, 2019, 28, 2427-2438.	1.2	4
120	Stiffness and hardness gradients obtained by laser surface melting of an aged Î²-Ti alloy. Materials Letters, 2020, 260, 126901.	1.3	4
121	Experimental and computational investigation of Ti-Nb-Fe-Zr alloys with limited Fe contents for biomedical applications. Journal of Materials Science, 2021, 56, 11494-11510.	1.7	4
122	Influence of Solidification Thermal Parameters on the Microstructure of an Aluminum Alloy. Journal of Materials Science Letters, 1998, 17, 1559-1562.	0.5	3
123	Hardening Mechanism through Phase Separation of Beta Ti-35Nb-7Zr-5Ta and Ti-35Nb-7Ta Alloys. Materials Research Society Symposia Proceedings, 2012, 1487, 19.	0.1	3
124	Formation of alpha phase via pseudospinodal decomposition in Ti-Nb-Fe based alloys. Materials Letters, 2017, 189, 201-205.	1.3	3
125	Achieving high strength and low Youngâ€™s modulus in martensitic Ti-Nb-O alloys. Materials Letters, 2021, 301, 130308.	1.3	3
126	Self-organized TiO2 nanotubes on Ti-Nb-Fe alloys for biomedical applications: Synthesis and characterization. Electrochemistry Communications, 2022, 138, 107280.	2.3	3

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127	Anelastic relaxation due to hydrogen in Tiâ€“35Nbâ€“7Zrâ€“5Ta alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 3326-3329.	2.6	2
128	Laser surface alloying applied on Ti-3Mo and Ti-10Nb sintered parts. Surface and Coatings Technology, 2021, 407, 126773.	2.2	2
129	The magnetic properties of Fe-Al-Nb intermetallic compounds. , 0, , .		1
130	On the properties of the eutectic alloy Al3(Nb,Cr)+Cr(Al,Nb). Journal of Alloys and Compounds, 2008, 464, 162-167.	2.8	1
131	Investigation on the Production of Thixotropic Semisolid Ti Alloys. Materials Science Forum, 2010, 649, 119-124.	0.3	1
132	Phase separation in Beta Ti alloys through HRTEM characterization.. Microscopy and Microanalysis, 2012, 18, 758-759.	0.2	1
133	Isothermal omega Assisted Alpha Phase Precipitation and Microstructural Evolution of an Aged Ti-30Nb-3Fe Alloy. Materials Research, 2020, 23, .	0.6	1
134	Solidification Microstructure Investigation of a Ni-Ni₃Si Eutectic Alloy. Materials Science Forum, 2000, 329-330, 167-172.	0.3	0
135	Oxidation behavior and thermal stability of a Ni<scp>A</scp>lâ€“<scp>V</scp> eutectic alloy. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1019-1024.	0.8	0
136	Editorial: Titanium Alloys: Properties, Processing and Applications. Advanced Engineering Materials, 2017, 19, 1700168.	1.6	0
137	Effects of Electrodiffusion on the Pb-Sn Eutectic Growth. Brazilian Journal of Chemical Engineering, 1998, 15, 91-97.	0.7	0
138	TransformaÃ§Ãµes de fase e medidas de resistividade elÃ©trica em ligas de titÃ¢nio. , 0, , .		0
139	Phase transformations during continuous heating: effect of Sn addition on the microstructure of Ti-13Mo alloy. MATEC Web of Conferences, 2020, 321, 05017.	0.1	0