

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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times ranked

2804
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Laser surface alloying applied on Ti-3Mo and Ti-10Nb sintered parts. <i>Surface and Coatings Technology</i> , 2021, 407, 126773.	4.8	2
5	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
6	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
7	Arc Synthesis, Crystal Structure, and Photoelectrochemistry of Copper(I) Tungstate. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32865-32875.	8.0	11
8	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
9	Achieving high strength and low Young's modulus in martensitic Ti-Nb-O alloys. <i>Materials Letters</i> , 2021, 301, 130308.	2.6	3
10	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
11	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
12	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
13	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
14	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
15	Thixoforming of titanium: The microstructure and processability of semisolid Ti-Cu-Fe alloys. <i>Vacuum</i> , 2020, 180, 109567.	3.5	9
16	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
17	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
18	Anodization growth of TiO ₂ nanotubes on Ti-35Nb-7Zr-5Ta alloy: effects of anodization time, strain hardening, and crystallographic texture. <i>Journal of Materials Science</i> , 2019, 54, 13724-13739.	3.7	12

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19	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
20	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
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	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
23	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
24	Crystallographic features of the Al ₃ Nb, Nb ₂ Al and Nb(Ni _{1-x} Al _x) ₂ phases in a directionally solidified ternary eutectic microstructure. <i>Materials Characterization</i> , 2019, 147, 303-310.	4.4	5
25	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
26	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
27	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
28	In-situ microstructural observation of Ti-Cu alloys for semi-solid processing. <i>Materials Characterization</i> , 2018, 145, 10-19.	4.4	15
29	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
30	Laser additive processing of a functionally graded internal fracture fixation plate. <i>Materials and Design</i> , 2017, 130, 8-15.	7.0	61
31	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
32	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
33	Editorial: Titanium Alloys: Properties, Processing and Applications. <i>Advanced Engineering Materials</i> , 2017, 19, 1700168.	3.5	0
34	Microstructure evolution of Ti-30Nb-(4Sn) alloys during classical and step-quench aging heat treatments. <i>Materials Science and Technology</i> , 2017, 33, 400-407.	1.6	14
35	Formation of alpha phase via pseudospinodal decomposition in Ti-Nb-Fe based alloys. <i>Materials Letters</i> , 2017, 189, 201-205.	2.6	3
36	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

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37	Simulation of CP-Ti Recrystallization and Grain Growth by a Cellular Automata Algorithm: Simulated Versus Experimental Results. <i>Materials Research</i> , 2017, 20, 688-701.	1.3	12
38	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
39	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
40	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
41	Orthorhombic martensite formation upon aging in a Ti-30Nb-4Sn alloy. <i>Materials Chemistry and Physics</i> , 2016, 183, 238-246.	4.0	23
42	Alpha phase precipitation in Ti-30Nb-1Fe alloys α phase transformations in continuous heating and aging heat treatments. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 677, 222-229.	5.6	16
43	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
44	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
45	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
46	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
47	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
48	Reducing <i>S. aureus</i> growth on Ti alloy nanostructured surfaces through the addition of <i>S. n.</i> <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 3757-3763.	4.0	11
49	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
50	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
51	Femoral hip stem prosthesis made of graded elastic modulus metastable β Ti Alloy. <i>Materials & Design</i> , 2015, 69, 30-36.	5.1	26
52	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
53	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
54	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

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55	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
56	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
57	Crystallographic texture evolution in Ti-35Nb alloy deformed by cold rolling. <i>Materials & Design</i> , 2014, 60, 653-660.	5.1	32
58	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
59	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
60	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
61	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
62	Oxidation behavior and thermal stability of a Ni-Al-V eutectic alloy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 1019-1024.	1.8	0
63	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
64	Phase separation in Beta Ti alloys through HRTEM characterization.. <i>Microscopy and Microanalysis</i> , 2012, 18, 758-759.	0.4	1
65	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
66	Fracture toughness of a directionally solidified Al-Nb-Ni ternary eutectic. <i>Materials & Design</i> , 2012, 33, 563-568.	5.1	5
67	Application of a Genetic Algorithm to Optimize Purification in the Zone Refining Process. <i>Materials and Manufacturing Processes</i> , 2011, 26, 493-500.	4.7	15
68	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
69	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
70	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
71	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
72	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

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73	Hexagonal martensite decomposition and phase precipitation in Ti-Cu alloys. <i>Materials & Design</i> , 2011, 32, 4608-4613.	5.1	55
74	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
75	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
76	High resolution transmission electron microscopy study of the hardening mechanism through phase separation in a Ti-35Nb-7Zr-5Ta alloy for implant applications. <i>Acta Biomaterialia</i> , 2010, 6, 1625-1629.	8.3	74
77	Investigation on the Production of Thixotropic Semisolid Ti Alloys. <i>Materials Science Forum</i> , 2010, 649, 119-124.	0.3	1
78	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
79	In Situ Scanning Electron Microscopy High Temperature Deformation Experiments to Study Ductility Dip Cracking of Ni-Cr-Fe Alloys. , 2010, , 27-39.		7
80	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
81	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
82	Effect of cooling rate on Ti-Cu eutectoid alloy microstructure. <i>Materials Science and Engineering C</i> , 2009, 29, 1023-1028.	7.3	71
83	Cytotoxicity study of some Ti alloys used as biomaterial. <i>Materials Science and Engineering C</i> , 2009, 29, 1365-1369.	7.3	62
84	ISE and fracture toughness evaluation by Vickers hardness testing of an Al ₃ Nb-Nb ₂ Al-AlNbNi in situ composite. <i>Journal of Alloys and Compounds</i> , 2009, 472, 65-70.	5.5	30
85	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
86	Electrochemical corrosion behavior of a Ti-35Nb alloy for medical prostheses. <i>Electrochimica Acta</i> , 2008, 53, 4867-4874.	5.2	145
87	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
88	Growth and three-dimensional analysis of a Nb-Al-Ni ternary eutectic. <i>Materials Characterization</i> , 2008, 59, 693-699.	4.4	24
89	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
90	Preparation and characterization of ordered intermetallic platinum phases for electrocatalytic applications. <i>Intermetallics</i> , 2008, 16, 246-254.	3.9	10

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91	Evaluation of lamellar spacing selection in eutectic alloys using phase field model. Computational Materials Science, 2008, 44, 695-701.	3.0	4
92	Microstructure and mechanical behavior of in situ Ni ₃ Si composite. Journal of Alloys and Compounds, 2007, 432, 167-171.	5.5	29
93	Aging response of the Ti ₃₅ Nb ₇ Zr ₅ Ta and Ti ₃₅ Nb ₇ Ta alloys. Journal of Alloys and Compounds, 2007, 433, 207-210.	5.5	85
94	Influence of cooling rate on microstructure of Ti-Nb alloy for orthopedic implants. Materials Science and Engineering C, 2007, 27, 908-913.	7.3	118
95	Development of Ti-Mo alloys for biomedical applications: Microstructure and electrochemical characterization. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 452-453, 727-731.	5.6	154
96	Liquidus projection of the Nb-Cr-Al system near the Al ₃ (Nb,Cr)+Cr(Al,Nb) eutectic region. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 424, 77-82.	5.6	4
97	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.	5.6	47
98	Directional solidification, microstructure and properties of the ϵ eutectic. Journal of Crystal Growth, 2005, 275, e153-e158.	1.5	18
99	Growth and characterization of the NiAl-NiAlNb eutectic structure. Journal of Crystal Growth, 2005, 275, e147-e152.	1.5	27
100	Eutectic alloy microstructure: atomic force microscopy analysis. Applied Surface Science, 2005, 240, 414-423.	6.1	11
101	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
102	Fe-Al-Nb phase diagram investigation and directional growth of the (Fe, Al) ₂ Nb-(Fe, Al, Nb) _{ss} eutectic system. Journal of Alloys and Compounds, 2005, 399, 196-201.	5.5	24
103	Growth and solid/solid transformation in a Ni-Si eutectic alloy. Journal of Alloys and Compounds, 2005, 399, 202-207.	5.5	21
104	Growth and morphological characterization of Al-Cr-Nb eutectic alloys. Journal of Alloys and Compounds, 2005, 402, 156-161.	5.5	16
105	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
106	Microstructure of undercooled SnSe-SnSe ₂ hypoeutectic alloy. Journal of Alloys and Compounds, 2004, 375, 142-146.	5.5	7
107	Influence of growth rate on the microstructure and mechanical behaviour of a NiAl-Mo eutectic alloy. Journal of Alloys and Compounds, 2004, 381, 91-98.	5.5	29
108	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

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109	A novel ternary eutectic in the Nb-Al-Ni system. Scripta Materialia, 2003, 48, 1495-1500.	5.2	19
110	Growth morphology of the Ni-Al-V in situ composites. Journal of Materials Processing Technology, 2003, 143-144, 629-635.	6.3	24
111	Fracture toughness of the eutectic alloy Al ₃ Nb-Nb ₂ Al. Materials Letters, 2003, 57, 3949-3953.	2.6	16
112	Microstructure of the microalloyed Ni-Al-V eutectics. Materials Letters, 2002, 55, 126-131.	2.6	16
113	Electrochromic Properties of Sol-gel Coating of Nb ₂ O ₅ and Nb ₂ O ₅ :Li ⁺ . Materials Research, 2002, 5, 43-46.	1.3	5
114	Influence of the growth rate on the microstructure of a Nb-Al-Ni ternary eutectic. Journal of Crystal Growth, 2002, 237-239, 90-94.	1.5	36
115	Effect of the growth parameters on the Ni-Ni ₃ Si eutectic microstructure. Journal of Crystal Growth, 2002, 237-239, 95-100.	1.5	27
116	Solidification Microstructure Investigation of a Ni-Ni ₃ Si Eutectic Alloy. Materials Science Forum, 2000, 329-330, 167-172.	0.3	0
117	Directional solidification processing of eutectic alloys in the Ni-Al-V system. Journal of Crystal Growth, 2000, 211, 485-490.	1.5	33
118	Directional growth of Al-Nb-X eutectic alloys. Journal of Crystal Growth, 2000, 211, 466-470.	1.5	25
119	Eutectic Microstructure Evolution in a Directionally Solidified Nb-Al Alloy. Materials Science Forum, 2000, 329-330, 179-184.	0.3	4
120	Directional growth and characterization of Fe-Al-Nb eutectic alloys. Journal of Crystal Growth, 1999, 198-199, 850-855.	1.5	18
121	Microstructure of Ni-Ni ₃ Si eutectic alloy produced by directional solidification. Journal of Crystal Growth, 1999, 198-199, 844-849.	1.5	32
122	Growth and microstructural characterization of SnSe-SnSe ₂ composite. Journal of Materials Science, 1999, 34, 4607-4612.	3.7	17
123	Influence of Solidification Thermal Parameters on the Microstructure of an Aluminum Alloy. Journal of Materials Science Letters, 1998, 17, 1559-1562.	0.5	3
124	Evaluation of the solid/liquid interface undercooling during Sn-Se Eutectic growth. Materials Research, 1998, 1, 05-10.	1.3	5
125	PREPARATION AND CHARACTERIZATION OF Ti-Al-Nb ALLOYS FOR ORTHOPEDIC IMPLANTS. Brazilian Journal of Chemical Engineering, 1998, 15, 326-333.	1.3	40
126	Effects of Electrodiffusion on the Pb-Sn Eutectic Growth. Brazilian Journal of Chemical Engineering, 1998, 15, 91-97.	1.3	0

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127	Primary dendrite spacing as a function of directional solidification parameters in an Al _i -Si _i -Cu alloy. Journal of Crystal Growth, 1997, 174, 65-69.	1.5	19
128	Lamellar spacing selection in a directionally solidified Sn _i -Se eutectic alloy. Journal of Crystal Growth, 1997, 174, 70-75.	1.5	12
129	Directional solidification of a Sn-Se eutectic alloy using the Bridgman-Stockbarger method. Journal of Crystal Growth, 1996, 166, 398-401.	1.5	16
130	Directional solidification of Pb _i -Sn eutectic with vibration. Journal of Crystal Growth, 1991, 114, 249-254.	1.5	24
131	Influence of convection on rod spacing of eutectics. Journal of Crystal Growth, 1990, 106, 294-302.	1.5	17
132	The magnetic properties of Fe-Al-Nb intermetallic compounds. , 0, , .		1
133	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
134	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
135	Effects of Composition on Solidification Microstructure of Cast Titanium Alloys. Materials Science Forum, 0, 649, 183-188.	0.3	8
136	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
137	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
138	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
139	TransformaÃ§Ãµes de fase e medidas de resistividade elÃ©trica em ligas de titÃ¢nio. , 0, , .		0