

# Renato Baldan

## List of Publications by Year in descending order

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23  
papers

264  
citations

1162367

8  
h-index

996533

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g-index

25  
all docs

25  
docs citations

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times ranked

247  
citing authors

#	ARTICLE	IF	CITATIONS
1	High temperature cyclic oxidation behavior of a low manganese Fe <sub>12</sub> Mn <sub>9</sub> Cr <sub>5</sub> Si <sub>4</sub> Ni-NbC shape memory stainless steels. Journal of Alloys and Compounds, 2021, 857, 158198.	2.8	9
2	Isothermal oxidation of Inconel 625 superalloy at 800 and 1000°C: Microstructure and oxide layer characterization. Materials Characterization, 2020, 161, 110160.	1.9	23
3	Experimental Investigation of Delta Phase Precipitation in Inconel 625 Superalloy Aged at 550, 625 and 725 °C. Materials Research, 2020, 23, .	0.6	5
4	Mechanical Behavior of Inconel 625 at Elevated Temperatures. Metals, 2019, 9, 301.	1.0	54
5	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
6	Microstructure and mechanical behavior of Al <sub>9</sub> Si <sub>0.8</sub> Fe alloy with different Mn contents. Materials Science and Technology, 2017, 33, 1192-1199.	0.8	14
7	Solution and Aging of MAR-M246 Nickel-Based Superalloy. Journal of Materials Engineering and Performance, 2017, 26, 465-471.	1.2	5
8	High Temperature Mechanical Behavior of Plasma-Nitrided Inconel 625 Superalloy. Advanced Structured Materials, 2017, , 167-177.	0.3	0
9	Microstructure and Mechanical Properties of Ti-12Mo-8Nb Alloy Hot Swaged and Treated for Orthopedic Applications. Materials Research, 2017, 20, 526-531.	0.6	13
10	Evaluation of Biomimetic Coatings on Femtosecond Laser Treated Alumina and Alumina-Zirconia Composite Surfaces. Advanced Structured Materials, 2016, , 141-157.	0.3	1
11	Mechanical Characterization of Ti-12Mo-13Nb Alloy for Biomedical Application Hot Swaged and Aged. Materials Research, 2015, 18, 8-12.	0.6	20
12	Oxidation Behavior of the Niobium-Modified MAR-M247 Superalloy at 1,000°C in Air. Oxidation of Metals, 2015, 83, 151-166.	1.0	9
13	Microstructure and mechanical behaviour of Al <sub>9</sub> Si alloy with different Fe contents. Materials Science and Technology, 2015, 31, 737-744.	0.8	8
14	Isothermal section of the Ti-Si-B system at 1250 °C in the Ti-TiSi <sub>2</sub> -TiB <sub>2</sub> region. Materials Research, 2014, 17, 392-396.	0.6	7
15	Thermodynamic Evaluation of the Phase Stability and Microstructural Characterization of a Cast B1914 Superalloy. Journal of Materials Engineering and Performance, 2014, 23, 819-825.	1.2	5
16	Solutioning and Aging of MAR-M247 Nickel-Based Superalloy. Journal of Materials Engineering and Performance, 2013, 22, 2574-2579.	1.2	41
17	Aging of a New Niobium-Modified MAR-M247 Nickel-Based Superalloy. Journal of Materials Engineering and Performance, 2013, 22, 2337-2342.	1.2	5
18	Solution heat-treatment of Nb-modified MAR-M247 superalloy. Materials Characterization, 2013, 75, 214-219.	1.9	27

#	ARTICLE	IF	CITATIONS
19	Microstructural Evidence of $\gamma$ -Co <sub>2</sub> Si-phase Stability in the Co-Si System. Journal of Phase Equilibria and Diffusion, 2008, 29, 477-481.	0.5	7
20	Effect of Hot Swaging on Microstructure and Properties of Aged Ti-10Mo-20Nb Alloy. Materials Science Forum, 0, 869, 952-956.	0.3	3
21	Development of Ti-12Mo-8Nb Alloy for Biomedical Application. Materials Science Forum, 0, 899, 191-194.	0.3	1
22	Effect of Copper and Magnesium on the Microstructure of Centrifugally Cast Al-19%Si Alloys. Materials Science Forum, 0, 930, 484-488.	0.3	1
23	Isothermal short-term oxidation behavior of MAR-M246 nickel-based superalloy at 800°C and 1000°C. Materials and Corrosion - Werkstoffe Und Korrosion, 0, , .	0.8	1