

Shape Memory Alloys at CENIMAT

Publications list

Books

"Laser welded NiTi. Correlation between mechanical cycling behavior and microstructure" (<https://www.lap-publishing.com/catalog/details//store/gb/book/978-3-659-31719-4/laser-welded-niti>). João Pedro Oliveira, Francisco Braz Fernandes, Rosa M. Miranda. LAP - Lambert Academic Publishing, Saarbrucken, 2013. 86 pgs. ISBN 978-3-659-31719-4 .

"Shape Memory Alloys- Processing, Characterization and Applications", Edited by F. M. Braz Fernandes. ISBN 978-953-51-1084-2, InTech. Access on-line (<http://www.intechopen.com/books/shape-memory-alloys-processing-characterization-and-applications>), 03/04/2013, 278 pgs.

Chapters of books

"Ligas com memória de forma". M. T. Nogueira e F. M. Braz Fernandes; in "Materiais 2000". Edited by M. Amaral Fortes, Paulo Ferreira, IST-Press, Lisboa, 2003, pp. 43-48. ISBN : 978-972-8469-23-8

"Shape memory alloys: existing and emerging applications". R. M. Miranda, F. M. Braz Fernandes, C. M. Craciunescu, L. Quintino, L. Alberty Vieira; Chapter 7 (pp 243-265) in vol 6 of "Advances in Materials Science Research". Editor: Maryann C. Wythers. Nova Science Publishers Inc, Hauppauge, NY (EUA), 2011. ISBN: 978-1-61209-116-7.

"Thermomechanical treatments for Ni-Ti alloys". F. M. Braz Fernandes, K. K. Mahesh, A. Paula. Chapter 1 in "Shape Memory Alloys- Processing, Characterization and Applications", pp 3-26. ISBN 978-953-51-1084-2, InTech. Editor: F.M. Braz Fernandes. Access on-line (<http://www.intechopen.com/articles/show/title/thermomechanical-treatments-for-ni-ti-alloys>), 03/04/2013.

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"Structural Characterisation of NiTi Thin Film Shape Memory Alloys". Francisco M. Braz Fernandes, Rui Martins, M.^a Teresa Nogueira, Rui J. C. Silva, Patrícia Nunes, Daniel Costa, Isabel Ferreira, Rodrigo Martins. *Sensors and Actuators A - Physical*, 99/1-2 (2002) pp. 55-58 (I.F. 1,299).

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"The influence of a poly-Si intermediate layer on the crystallization behaviour of Ni-Ti SMA magnetron sputtered thin films". R.M.S. Martins, F.M. Braz Fernandes, R.J.C. Silva, L. Pereira, P.R. Gordo, M.J.P. Maneira, M. Beckers, A. Muecklich, N. Schell. *Applied Physics A - Materials Science & Processing* 83 (2006) pp. 139-145.

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