

Lista de lucrări în domeniul de studii universitare de licență Ingineria Materialelor

Numele și prenumele: Lohan Nicoleta Monica

A. Teza de doctorat.

Efecte calorimetrice și structurale ale ciclării complexe asupra memoriei termice a aliajelor Cu-Zn-Al

B. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

Leandru Gheorghe Bujoreanu, Bogdan Pricop, Nicoleta Monica Lohan, Marius Gabriel

Suru, Bogdan Istrate, Capitol de carte: Structural and Chemical Variations Induced by Thermomechanical Cycling in Shape Memory Actuators, Marimuthu Muruganant et al. (Eds) Frontiers in Materials Processing, Applications, Research and Technology, 978-981-10-4818-0, 431209_1_En, (7)

C. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS.

1. C. Bejenariu, I. Mălureanu, A. Florescu, V.V.Moldoveanu, Diana Gheorghiu, St. L. Toma, Monica Lohan, Tehnologia Materialelor – Lucrări practice, 17x24cm, 46 rânduri/pag., Editura Tehnopress, 200 pg., 2008, ISBN 973-702-522-9

2. C. Bejenariu, I. Rusu, S. L. Toma, M. N. Lohan, Ingineria materialelor metalice. Aplicații practice, 17x24cm, 45 rânduri/pag., Editura PIM, 203 pg., 2011, ISBN 978-606-13-0190-4

3. I. Rusu, Monica Lohan ș.a., Tehnici de analiză în ingineria materialelor-Aplicații practice, Lucrarea nr.5 – Analiza materialelor prin analiză calorimetrică, 20x29 cm, 42 rânduri/pag., Editura PIM, pp 77-92, 2011, ISBN 978-606-13-0568-4

4. I. Rusu, Nicoleta-Monica LOHAN– Termodinamica sistemelor de aliaje, Editura PIM, 2014, ISBN 978-606-13-1910-7

5. V.V. Moldoveanu, N.M. Lohan – Ingineria calitatii produselor metalurgice), 17x24cm, 37 rânduri/pag., Editura Tehnopress, 187 pg., 2010, ISBN 978-973-702-758-0

D. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

F. Lucrări științifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.

1 L. G. Bujoreanu, S. Stanciu, P. Bârsănescu, N. M. Lohan, Study of the transitory formation of α_1 bainite, as a precursor of α -phase in tempered SMAs, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies IV, edited by Paul Schiopu, Cornel Panait, George Caruntu, Adrian Manea, Proceedings of SPIE, Vol. 7297, (SPIE, Bellingham, WA.), 72970B (2009) (d.o.i. 10.1117/12.823620), ISSN 0277-786X, Indexata ISI

L. G. Bujoreanu, N. M. Lohan, B. Pricop; N. Cimpoeșu, Thermal memory degradation in a Cu-Zn-Al shape memory alloy during thermal cycling with free air cooling, Journal of Materials Engineering and Performance, Vol. 20, Nr.3, pp. 468-475, (2011), Factor de impact 2011: 0,855, SRI 2012: 0.574

3 B. Pricop, U. Söyler, N. M. Lohan, B.Özkal, D. Chicet, A. David, L.-G. Bujoreanu, Mechanical alloying effects on the thermal behaviour of a Fe-Mn-Si-Cr-Ni shape memory alloy under powder form, Optoelectronics and Advanced Materials - Rapid Communication, Issue 5, pp. 569 – 575, (2011), factor de impact 2011 – 0,304, SRI : 0.228

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- 7 N. M. Lohan, L. G. Bujoreanu, C. Baci, Influence of temperature variation rate on calorimetric response during heating and on martensite structure obtained after subsequent cooling of a Cu-Zn-Al shape memory alloy, *Micro & Nano Letters*, 7, 6, pp. 540–543, (2012), Factor de impact 2011: 0,944, SRI 2012: 0.701
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- 9 G. Vitel, M.Suru, A. Parachiv, N. M. Lohan, B. Pricop, M. Baci, L.G. Bujoreanu, Structural effects of training cycles in shape memory actuators for temperature control, *Materials and Manufacturing Processes*, 28, pp. 79-84, (2013), Factor de impact 2011: 1,058, SRI 2012: 0,532
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- 13 A.-L. Paraschiv, F. Borza, N. Lupu, M.-G. Suru, N. M. Lohan, B. Pricop, I.-P. Spiridon, L.-G. Bujoreanu, On some structural characteristics of Fe-base shape memory alloys, *Journal of Optoelectronics and Advanced Materials* Vol. 15, No. 7- 8, p. 781 – 784, (2013), Factor de impact 2012: 0.226, SRI 2012: 0,33089
- 14 S. Plavanescu, D. Nedelcu, M. N. Lohan, Considerations on the micro-indentation and differential scanning calorimetry of arboform reinforced with aramid fibres, *Advanced Materials Research* Vol. 837 (2014) pp 718-723, Indexata ISI
- 15 M.G. Suru, I. Dan, N.M. Lohan, A.L. Paraschiv, B. Pricop, I.P. Spiridon, C. Baci, L.G. Bujoreanu, Effects of hot working procedure on surface relief characteristic in an Fe-Mn-Si-Cr shape memory alloy, *Materialwissenschaft und Werkstofftechnik*, Volume 45, Issue 1, pp. 44-50, 2014, Online ISSN: 1521-4052, Factor de impact 2014: 0,425
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H. Lucrări științifice publicate în reviste din țară, recunoscute CNCSIS.

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I. Lucrări științifice publicate în volumele conferințelor.

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11 A.-L. Paraschiv, F. Borza, N. Lupu, M.-G. Suru, N. M. Lohan, B. Pricop, I.-P. Spiridon, L.-G. Bujoreanu, On the pseudoelastic response of iron-base shape memory alloys, Susținută oral la ModTech International Conference 2013, 27-29 Iunie, Sinaia, Romania, Paper ID F-16

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Aplicații cu revenire reținută, ale aliajelor cu memoria formei pe bază de Fe-(Mn, Ni)-Si, cu proprietăți controlate prin modificări nanostructurale la nivelul martensitei și matricei austenitice, contract nr. 279/01.10.2007, cod CNCSIS 301,

P2 Membru (Constantin Baciuc - Responsabil de proiect din partea UTI, 17 membri, Programul Cercetare de Excelență, Categoria de proiect: Modul 1 – Tip de proiect P-CD

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P8 Membru (Leandru Gheorghe Bujoreanu – director de proiect), 10 membri Parteneriate în domenii prioritare,

Sistem modular de elemente multifuncționale cu deplasare auto-adaptivă, contract nr. 144 /2012,

P9 Membru (Leandru Gheorghe Bujoreanu – director de proiect), 9 membri

Proiect de cercetare exploratorie, programul IDEI,

Nouă metodă de îmbunătățire a proprietăților de memoria formei prin controlul migrației atomice, contract nr. 13/2013,

P10 Membru (Leandru Gheorghe Bujoreanu – director de proiect), Un studiu al factorilor care favorizează termoelasticitatea în aliajele superelastice cu memoria formei pe baza de Fe,

L. Premii, distincții.

5 Lucrări premiate prin programul Premiarea rezultatelor cercetării, UEFISCI

M. Alte realizări semnificative.

Data, 16.10.2017

* Conform H.G. 1175/ 2006