Lista lucrărilor ştiinţifice publicate – Florin Popa

Lucrări publicate în reviste cotate ISI..... 35
14 în zona roşie
10 în zona galbenă
7 autor principal (3 lucrări cu FI peste 3 (3.13),
2 lucrări cu FI peste 2 (2.63),
1 cu FI 1.953 şi
1cu FI 0.943)
Lucrări publicate în reviste ISI Proceedings..... 19
Articole în baze de date internaţionale (Scopus)..... 8
Lucrări publicate în volum conferinţe internaţionale..... 8
Brevete/cereri de brevete de invenţie..... 1/1
Cărţi cu ISBN..... 4
Prezentări orale la conferinţe internaţionale..... 4
Prezentări sub formă de poster la conferinţe internaţionale..... 9

Total: 70 lucrări (68 publicate în străinătate).

(conform: "Metodologia de concurs pentru ocuparea posturilor didactice şi de cercetare vacante din Universitatea Tehnică din Cluj-Napoca", aprobată prin Hotărârea Senatului universitar nr. 774/25.05.2017)

A. lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii, care sunt incluse în format electronic în dosar şi care se pot regăsi şi în celelalte categorii de lucrări prevăzute de prezentul articol;

1. **F. Popa**, I. Chicinaş, O. Isnard, *AlSb intermetallic semiconductor compound formation by solid state reaction after partial amorphization induced by mechanical alloying,* Intermetallics 93 (2018) 371-376 – zona roşie (Q1)
2. **F. Popa**, H. F. Chicinaş, T.F. Marinca, I. Chicinaş, *Influence of mechanical alloying and heat treatment processing on the Ni2MnSn Heusler alloy structure*, Journal of Alloys and Compounds 716 (2017) 137-243 - zona roşie (Q1)
3. **F. Popa**, I. Chicinaş, D. Frunză, I. Nicodim, D. Banabic, *Influence of high deformation on the microstructure of low-carbon steels*, International Journal of Minerals Metallurgy and Materials 21 (2014) 273-278, zona galbenă (Q2)
4. **F. Popa**, O. Isnard, I. Chicinaş, V. Pop, *Thermal evolution of the Ni3Fe compound obtained by mechanical alloying as probed by differential scanning calorimetry*, Journal of Alloys and Compounds 554 (2013) 39-44 - zona roşie (Q1)
5. **F. Popa**, I. Chicinaş, O. Isnard, V. Pop, *Heat-treatment influence on Ni–Fe–Cu–Mo nanocrystalline alloy obtained by mechanical alloying*, Journal of Thermal Analysis and Calorimetry 110 (2012) 295-299 – Q2
6. **F. Popa**, O. Isnard, I. Chicinaş, V. Pop, *Synthesis of nanocrystalline Supermalloy powders by mechanical alloying: A thermomagnetic analysis*, Journal of Magnetism and Magnetic Materials 322 (2010) 1548–1551 - zona galbenă (Q2)
7. **F. Popa**, O. Isnard, I. Chicinas, V. Pop, *NiFeCuMo soft magnetic powders obtained by controlled mechanical alloying and annealing*, Journal of Magnetism and Magnetic Materials 316 (2007) e900-e903 - zona galbenă (Q1)

8. I. Chicinaş, T. F. Marinca, **F. Popa**, B. V. Neamțu, *Rhometal interface in pseudo-core shell powders like Permalloy/Rhometal type*, Applied Surface Science 358 (2015) 627-633, Part: B - zona roşie (Q1)
9. B. V. Neamțu, I. Chicinaş, O. Isnard, I. Ciaşcai, **F. Popa**, T. F. Marinca, *Consolidation and DC magnetic properties of nanocrystalline Supermalloy/iron composite cores prepared by spark plasma sintering*, Journal of Magnetism and Magnetic Materials 353 (2014) 6-10 zona galbenă (Q2)
10. T.F. Marinca, I. Chicinaş, O. Isnard, V. Pop, **F. Popa**, *Synthesis, structural and magnetic characterization of nanocrystalline nickel ferrite—NiFe2O4 obtained by reactive milling*, Journal of Alloys and Compounds 509 (2011) 7931– 7936 - zona roşie (Q1)

B. Teza de doctorat

Elaboration et étude de poudres magnétiques douces (Ni-Fe, Ni-Fe-X, Ni-Fe-X-Y) à l'état nanocristallin par broyage mécanique de haute énergie

Conducători ştiinţifici: Prof. dr. Ionel Chicinaş
Prof. dr. Olivier Isnard

C. Brevete de invenție/cereri de brevet: 1/1

1. I. Chicinaş, T.F. Marinca, F. Popa, B.V. Neamțu, Nanostructured powder of Permalloy (Supermalloy) Rhometal type and process for preparing the same, RO130354-A0 ; RO130354-B1; Derwent Primary Accession Number: 2015-38529G
2. I. Chicinaş, T. F. Marinca, F. Popa, B. V. Neamțu, Composite powders, such as Fe or ferromagnetic alloy/soft magnetic ferrite with pseudo core-shell structure and process for preparing the same, RO131592-A0, Derwent Primary Accession Number: 2017-00477S

D. Cărți și capitole în cărți: 4

1. F. Popa, B. V. Neamțu, T. F. Marinca, METODE DE CARACTERIZARE A MATERIALELOR: Microscopie electronică de baleiaj, analize termice, spectroscopie în infraroşu, Capitol: MICROSCOPIA ELECTRONICĂ DE BALEIAJ ŞI TEHNICI ASOCIATE, ISBN 978-606-737-300-4, UTPRess, 2018
2. **F. Popa**, D. Frunză, *Măsurarea şi achiziţia de date*, ISBN 978-973-622-937-2, UTPress, 2014
3. B. V. Neamțu, T. F. Marinca, **F. Popa,** *Tehnici de analiză a materialelor: Aplicații practice*, ISBN 978-606-737-033-1, UTPress, 2015
4. T. F. Marinca, B. V. Neamțu, F. Popa, 5th INTERNATIONAL CONFERENCE ON POWDER METALLURGY & ADVANCED MATERIALS - BOOK OF ABSTRACTS, ISBN 978-606-737-260-1, UTPRess, 2017

E. Articole în reviste cotate ISI: 35

35 **F. Popa**, I. Chicinaş, O. Isnard,
AlSb intermetallic semiconductor compound formation by solid state reaction after partial amorphization induced by mechanical alloying
Intermetallics 93 (2018) 371 - 376
DOI: 10.1016/j.intermet.2017.11.002 – zona roşie (Q1)

34 C. V. Prică, B. V. neamţu, **F. Popa**, T. F. Marinca, N. Sechel, I. Chicinaş,
Invar-type nanocrystalline compacts obtained by spark plasma sintering from mechanically alloyed powders
Journal of Materials Science 53 (2018) 3735 - 3743
DOI: 10.1007/s10853-017-1771-5 – zona galbenă (Q2)

33 V. Paşcalău, G. Dindelegan, N. Dîrzu, A.M. Salanţiu, C. Pavel, M. C. Dudescu, **F. Popa**, G. Borodi, F. Tabaran, C. A. Iuga, C. Popa
Bioactive Ti-base biomaterial with sustained anti-bacterial response for endosseous applications
Reactive and Functional Polymers 125 (2018) 37 -46
DOI: 10.1016/j.reactfunctpolym.2018.02.007 – zona galbenă (Q1)

32 S. Varvara, R. Bostan, O. Bobis, L. Găină, **F. Popa**, V. mena, R. M. Souto
Propolis as a green corrosion inhibitor for bronze in weakly acidic solution
Applied Surface Science 426 (2017) 110 - 1112
DOI: 10.1016/j.apsusc.2017.07.230 – zona roşie (Q1)

31 B. V. Neamţu, M. Nasui, T. F. Marinca, **F. Popa**, I. Chicinaş
Soft magnetic composites based on hybrid coated Fe-Si nanocrystalline powders
Surface and Coatings Technology 330 (2017) 219 -227
DOI: 10.1016/j.surfcoat.2017.09.088 – zona roşie (Q1)

30 T. F. Marinca, H. F. Chicinaş, B. V. Neamţu, **F. Popa**, I. Chicinaş
Reactive spark spark plasma sintering of mechanically activated alpha-Fe2O3/Fe
Ceramics International 43 (2017) 14281 - 14291
DOI: 10.1016/j.ceramint.2017.07.180 – zona roşie (Q1)

29 **F. Popa**, H. F. Chicinaş, T. F. Marinca, I. Chicinaş
Influence of mechanical alloying and heat treatment processing on the Ni2MnSn Heusler alloy structure
Journal of Alloys and Compounds 716 (2017) 137 - 143
DOI: 10.1016/j.jallcom.2017.05.050 – zona roşie (Q1)

28 R. Dudric, F. Goga, **F. Popa**, R. Tetean
Effects of Gd doping on the magnetic properties and magnetocaloric effect of La1.4Ca1.6Mn2O7
Proceedings of the Romanian Academy Series A - Mathematics Physics Technical Sciences Information Science 18 (2017) 131-137
WOS:000406324400005 – Q2

27 M. Pop, D. Frunză, **F. Popa**, A. Neag
Aspects regarding the hot frcture behaviour of 42CrMo4 alloy
Romanian Journal of Physics 62 (2017) 606
WOS:000405772600008 – Q2

26 T.F. Marinca, H.F. Chicinas, B.V. Neamtu, I. Chicinas, O. Isnard, **F. Popa**, P. Păşcuţă
Nanocrystalline/nanosized Fe3O4 obtained by a combined route ceramic-mechanical milling. Effect of milling on the chemical composition, formation of phases and powder characteristics
Advanced Powder Technology 27 (2016) 1588-1596
DOI: 10.1016/j.apt.2016.05.022 – zona galbenă (Q2)

25 C.V. Prică, T.F. Marinca, **F. Popa**, N.A. Sechel, O. Isnard, I. Chicinaş,
Synthesis of nanocrystalline Ni3Fe powder by mechanical alloying using an extreme friction mode
Advanced Powder Technology 27 (2016) 395-402
DOI: 10.1016/j.apt.2016.01.018 – zona galbenă (Q2)

24 B.V. Neamtu, H.F. Chicinas, T.F. Marinca, O. Isnard, I. Chicinas. **F. Popa**,
Synthesis of amorphous Fe75Si20-xMxB5 (M = Ti, Ta, Zr) via wet mechanical alloying and its structural, thermal and magnetic characterisation
Advanced Powder Technology 27 (2016) 461-470
DOI: 10.1016/j.apt.2016.01.027 – zona galbenă (Q2)

23 A. Pop, A. Bede, M.C. Dudescu, **F. Popa**, I. Ardelean,
Monitoring the Influence of Aminosilane on Cement Hydration Via Low-field NMR Relaxometry
Applied Magnetic Resonance 47 (2016) 191-199
DOI: 10.1007/s00723-015-0743-7 – Q3

22 V. Pascalau, O. Soritau, **F. Popa**, C. Pavel, V. Coman, I. Oerhaita, G. Borodi, N. Dirzu, F. Tabaran, C. Popa,
Curcumin delivered through bovine serum albumin/polysaccharides multilayered microcapsules
Journal of Biomaterials Applications. 30 (2016) 857-872
DOI: 10.1177/0885328215603797 - Q2

21 I. Chicinaş, T. F. Marinca, **F. Popa**, B. V. Neamţu,
Rhometal interface in pseudo-core shell powders like Permalloy/Rhometal type,
Applied Surface Science 358 (2015) 627-633, Part: B
DOI: 10.1016/j.apsusc.2015.08.253 - zona roşie (Q1)

20 M. Pop, D. Frunză, **F. Popa**, A. Neag,
Experimental and numerical analysis of 7075 aluminum alloy fracture behavior,
Journal of Optoelectronics and Advanced Materials 17 (2015) 1761-1766
WOS:000368046700023 – Q4

19 S. Guţoiu, O. Isnard, I. Chicinaş, **F. Popa**, A. Tackacs, V. Pop,
The influence of milling and annealing conditions on the structural and magnetic behavior of Nd2Fe14B/alpha-Fe hard/soft magnetic nanocomposites,
Journal of Alloys and Compounds, 646 (2015) 859-865
DOI: 10.1016/j.jallcom.2015.06.174 - zona roşie (Q1)

18 A.C. Coman, D. A. Todea, **F. Popa**, T. Radu, O. Cadar, C. Borzan,
Multilateral characterization of masks and tubes surfaces in contact with respiratory system through ventilation,
Journal of Optoelectronics and Advanced Materials, 17 (2015) 1563-1571
WOS:000364600400053 – Q4

17 B. V. Neamțu, T. F. Marinca, I. Chicinaș, O. Isnard, **F. Popa**,
Structural and magnetic characteristics of Co-based amorphous powders prepared by wet mechanical alloying,
Adv. Powder Technol. 26 (2015) 323-328
DOI: 10.1016/j.apt.2014.10.014 – zona galbenă (Q2)

16 A. M. Salanțiu, C. Fekete, L. Mureșan, P. Păşcuță, **F. Popa,** C. Popa,
Anodic oxidation of PM porous titanium for increasing the corrosion resistance of endosseous implants,
Materials Chemistry and Physics 149-150 (2015) 453-459
doi:10.1016/j.matchemphys.2014.10.044 – zona galbenă (Q2)

15 A.M. Salantiu, O. Soritau, N. Dirzu, **F. Popa**, L. Muresan, V. Popescu, P. Pascuta, C. Popa,
Porous titanium - An enhanced support for human osteoblasts after anodization and c-RGD immobilization,
Studia Universitatis Babes-Bolyai Chemia, 60 (2015) 45-58
WOS:000369161800004 – Q4

14 I. Chicinaş, T.F. Marinca, B. V. Neamțu, **F. Pop**a, O. Isnard, V. Pop,
Synthesis, Structural, and Magnetic Properties of Nanocrystalline/Nanosized Manganese-Nickel Ferrite-Mn0.5Ni0.5Fe2O4
IEEE Transactions on Magnetics 50 (2014) 2800704
DOI: 10.1109/TMAG.2013.2285246 – Q3

13 B.V. Neamţu, T.F. Marinca, I. Chicinaş, O. Isnard, **F. Popa**, P. Păşcuţă,
Preparation and soft magnetic properties of spark plasma sintered compacts based on Fe-Si-B glassy powder,
Journal of Alloys and Compounds 600 (2014) 1-7,
doi:10.1016/j.jallcom.2014.02.115 - zona roșie (Q1)

12 **F. Popa**, I. Chicinaş, D. Frunză, I. Nicodim, D. Banabic,
Influence of high deformation on the microstructure of low-carbon steels,
International Journal of Minerals Metallurgy and Materials 21 (2014) 273-278,
doi: 10.1007/s12613-014-0905-x – zona galbenă (Q2)

11 B. V. Neamţu, I. Chicinaş, O. Isnard, I. Ciaşcai, **F. Popa**, T. F. Marinca,
Consolidation and DC magnetic properties of nanocrystalline Supermalloy/iron composite cores prepared by spark plasma sintering,
Journal of Magnetism and Magnetic Materials 353 (2014) 6-10,
doi: 10.1016/j.jmmm.2013.10.021– zona galbenă (Q2)

10 **F. Popa**, O. Isnard, I. Chicinaş, V. Pop,
Thermal evolution of the Ni3Fe compound obtained by mechanical alloying as probed by differential scanning calorimetry,
Journal of Alloys and Compounds 554 (2013) 39-44,
doi:10.1016/j.jallcom.2012.11.164 - zona roşie (Q1)

9 T. F. Marinca, B. V. Neamţu, **F. Popa**, V. F. Tarţa, P. Păşcuţă, A. F. Takacs, I. Chicinaş,
Synthesis and characterization of the NiFe2O4/Ni3Fe nanocomposite powder and compacts obtained by mechanical milling and spark plasma sintering,
Applied Surface Science 285 (2013) 2-9,
doi: 10.1016/j.apsusc.2013.07.145 - zona roşie (Q1)

8 V. F. Tarţa, T. F. Marinca, I. Chicinaş, **F. Popa**, B. V. Neamţu, P. Păşcuţă, A. F. Takacs,
Stability of Phases in Ball-Milled Zinc Ferrite/Iron Composite Produced by Spark Plasma Sintering,
Materials and Manufacturing Processes 28 (2013) 933-938,
doi: 10.1080/10426914.2013.792426 - Q2

7 **F. Popa**, I. Chicinaş, O. Isnard, V. Pop,
Heat-treatment influence on Ni–Fe–Cu–Mo nanocrystalline alloy obtained by mechanical alloying,
Journal of Thermal Analysis and Calorimetry 110 (2012) 295-299,
doi: 10.1007/s10973-012-2289-3 – Q2

6 T. Ristoiu, T.Petrişor. Jr, M. Gabor, S. Rada, **F. Popa**, L. Ciontea, T. Petrisor,
Electrical properties of ceria/carbonate nanocomposites,
Journal of Alloys and Compounds 532 (2012) 109-113,
doi:10.1016/j.jallcom.2012.03.098 - zona roşie (Q1)

5 T.F. Marinca, I. Chicinaş, O. Isnard, V. Pop, **F. Popa**,
Synthesis, structural and magnetic characterization of nanocrystalline nickel ferrite—NiFe2O4 obtained by reactive milling,
Journal of Alloys and Compounds 509 (2011) 7931– 7936,
doi: 10.1016/j.jallcom.2011.05.040 - zona roşie (Q1)

4 **F. Popa**, O. Isnard, I. Chicinaş, V. Pop,
Synthesis of nanocrystalline Supermalloy powders by mechanical alloying: A thermomagnetic analysis,
Journal of Magnetism and Magnetic Materials 322 (2010) 1548–1551,
doi: 10.1016/j.jmmm.2009.06.006 – zona galbenă (Q2)

3 B.V. Neamtu, I. Chicinaş, O. Isnard, **F. Popa**,V. Pop,
Influence of wet milling conditions on the structural and magnetic properties of Ni3Fe nanocrystalline intermetallic compound,
Intermetallics, 19 (2011) 19-25,
doi: 10.1016/j.intermet.2010.09.004 - zona roşie (Q1)

2 **F. Popa**, O. Isnard, I. Chicinas, V. Pop,
NiFeCuMo soft magnetic powders obtained by controlled mechanical alloying and annealing,
Journal of Magnetism and Magnetic Materials 316 (2007) e900-e903,
doi: 10.1016/j.jmmm.2007.03.134 – zona galbenă (Q2)

1 Z. Sparchez, I. Chicinas, O. Isnard, **F. Popa**,
Mechanical Alloying of Ni3Fe in the Presence of Ni3Fe Nanocrystalline Germs,
Journal of Alloys and Compounds 434-435 (2007) 485-488,
doi: 10.1016/j.jallcom.2006.08.114 - zona roşie (Q1)

F. Articole ISI Proceedings 19

19 C. Voicu, **F. Popa**, T. F. Marinca, B. V. Neamţu, M. Lostun, N. Lupu, I. Chicinaş,
Synthesis and characterisation of Al2O3/Ni-type composites obtained by spark plasma sintering,
Powder Metallurgy 23 (2018) 1 - 7 Article in press
DOI: 10.1080/00325899.2018.1465722

18 **F. Popa**, T. F. Marinca, H. F. Chicinaş, O. Isnard, I. Chicinaş,
Ni-Mn-Sn Heusler: milling and annealing effect on structural and magnetic properties
Journal of Physics: Conference Series 903 (2017) UNSP 012045
DOI: 10.1088/1742-6596/903/1/012045

17 T. F. Marinca, B. V. Neamţu, **F. Popa**, I. Chicinaş, O. Isnard,
Composite powder and compacts of iron/iron oxide type produced by mechanosynthesis and reactive sintering
Solid State Phenomena 216 (2014) 29 - 34
DOI: 10.4028/www.scientific.net/SSP.216.29

16 C. Voicu, **F. Popa**, P. Păşcuţă, I. Chicinaş,
Influence of milling time on the homogeneity of the Al2O3/Ni composite powders obtained by mechanical milling,
Solid State Phenom. 216 (2014) 146-150,
DOI 10.4028/www.scientific.net/SSP.216.146

15 B. V. Neamţu, T. F. Marinca, I. Chicinaş, **F. Popa**, O. Isnard,
Preparation and characterization of amorphous soft magnetic FeSiB powders and spark plasma sintered compacts,
Solid State Phenomena 216 (2014) 163-168,
doi: 10.4028/www.scientific.net/SSP.216.163

14 I. Chicinaş, T. F. Marinca, B. V. Neamţu, **F. Popa**, O. Isnard,
Nanocrystalline/nanosized mixed nickel-manganese ferrites obtained by mechanical milling,
Solid State Phenomena 216 (2014) 243-268,
doi: 10.4028/www.scientific.net/SSP.216.243

13 C. D. Stanciu, T. F. Marinca, **F. Popa**, I. Chicinaş, O. Isnard,
Synthesis of the Fe-10%Si nanocrystalline powder by mechanical alloying
Solid State Phenomena 216 (2014) 283 - 287
DOI: 10.4028/www.scientific.net/SSP.216.283

12 A. M. Salanţiu, **F. Popa**, P. Păşcuţă, O. Soritau, N. Dirzu, C. Popa,
Mesenchymal stem cell response to surface altered porous Ti
Key Engineering Materials 638 (2014) 67 - 72
DOI: 10.4028/www.scientific.net/KEM.638.67

11 V.F. Tarţa, I. Chicinaş, T.F. Marinca, B.V. Neamţu, **F. Popa**, C.V. Prică,
Synthesis of the nanocrystalline/nanosized NiFe2O4, powder by ceramic method and mechanical milling,
Solid State Phenomena 188 (2012) 27-30,
doi: 10.4028/www.scientific.net/SSP.188.27

10 V.F. Tarţa, I. Chicinaş, T.F. Marinca, B.V. Neamţu, **F. Popa**,
Effect of sintering parameters on the stability of phases of the ZnFe2O4/α-Fe nanocomposite,
Solid State Phenomena 188 (2012) 31-36,
doi: 10.4028/www.scientific.net/SSP.188.31

9 I. Chicinaş. V. Pop, **F. Popa**, C. V. Prică, T. F. Marinca, B. V. Neamţu, L. A. Sorcoi,
Formation of the Hipernik Alloy by Mechanical Alloying
Materials Science Forum 672 (2011) 68-71
DOI: 10.4028/www.scientific.net/MSF.672.68

8 T. F. Marinca, I. Chicinaş, C. V. Prică, **F. Popa**,
Nickel Ferrite Powder Obtained by High Energy Reactive Ball Milling,
Materials Science Forum 672 (2011) 145-148,
doi: 10.4028/www.scientific.net/MSF.672.145

7 I. Chicinaş, V. Pop, **F. Popa**, C. V. Prică, T. F. Marinca, B. V. Neamţu, L. A. Sorcoi,
Synthesis of the Mumetal Magnetic Powders by Mechanical Alloying
Materials Science Forum 672 (2011) 157 - 160
DOI: 10.4028/www.scientific.net/MSF.672.157

6 B.V. Neamţu, O. Isnard, I. Chicinaş, **F. Popa**, O. Geoffroy, V. Pop,
The Influence of Processing Parameters on the Magnetic Properties of the Nanocrystalline Soft Magnetic Composites Based on Ni3Fe
Materials Science Forum 672 (2011) 187- 190
DOI: 10.4028/www.scientific.net/MSF.672.187

5 I. Chicinaş, O. Isnard, H. Chiriac, **F. Popa**, V. Pop, C. V. Prică, B. V. Neamţu, T. F. Marinca,
Magnetic and thermomagnetic studies of the formation of the Rhometal powders by high energy mechanical milling,
Journal of Physics: Conference Series 303 (2011) 012087,
doi: 10.1088/1742-6596/303/1/012087

4 E. Dorolti, A. Todoran, M. S. Guțoiu, A. F. Takacs, I. Chicinaș. **F. Popa**, V. Pop, *Physical Properties of Bonded Nanocomposite Type Hard-Soft Magnets* Materials Science Forum 672 (2011) 84 - 87 DOI: 10.4028/www.scientific.net/MSF.672.84

3 T. F. Marinca, I. Chicinaş, C. V. Prică, **F. Popa**, B. V. Neamţu, *Zinc Ferrite Powder Synthesized by High Energy Reactive Ball Milling,* Materials Science Forum 672 (2011) 149-152, doi: 10.4028/www.scientific.net/MSF.672.149

2 C. V. Prică, T. Marinca, **F. Popa**, I. Chicinaş, *Ni3Fe Mechanically Alloyed: "Shock Mode" versus "Friction Mode",* Materials Science Forum 672 (2011) pp 153-156, doi: 10.4028/www.scientific.net/MSF.672.153

1 I. Chicinaş, P. Cârlan, **F. Popa**, C. V. Prică, L. A. Sorcoi, *Obtaining of the Ir-Al Nanocrystalline Powders by Mechanical Alloying,* Materials Science Forum 672 (2011) pp 171-174, doi: 10.4028/www.scientific.net/MSF.672.171

G. Articole în baze de date internaționale (Scopus): 8

8 C. Voicu, **F. Popa**, P. Păşcuță, I. Chicinaş, *Production and characterisation of the Al2O3/Ni nanocomposite powders by mechanical milling* Euro PM 2014 Congress and Exhibition, Proceedings2014, Code 117821

7 I. Chicinaş, T. F. Marinca, **F. Popa**, B. V. Neamțu, V. Pop, P. Păşcuță, *Production of nanostructured powders like permalloy (supermalloy)/rhometal type* Euro PM 2014 Congress and Exhibition, Proceedings2014, Code 117821

6 I. Chicinaş, T. F. Marinca, B. V. Neamțu, **F. Popa**, V. Pop, O. Isnard, V. F. Tarța, *Producing of NiFe2O4/(metal, alloy) nanocomposite/composite powders and compacts by mechanical milling and spark plasma sintering* Materials Science and Technology Conference and Exhibition 2013, MS and T 2013, Volume 3, 2013, Pages 1713-1720

5 **F. Popa**, C. Voicu, C. V. Prică, I. Chicinaş, I*nfluence of the vial filling factor on the obtaining of the Ni3Fe intermetallic* compound by mechanical alloying, Proceedings of the World Powder Metallurgy Congress and Exhibition, World PM 2010, vol. I (2010) 203-209

4 S. Gutoiu, E. Dorolti, O. Isnard, I. Chicinaş, **F. Popa**, V. Pop, *Magnetic and structural behaviour of Nd2Fe14B/α-Fe magnetic nanocomposite,* Proceedings of the World Powder Metallurgy Congress and Exhibition, World PM 2010, vol. V (2010) 271-276

3 T. Marinca, I. Chicinaş, **F. Popa**, C.V. Prică, O. Isnard, A. Sorcoi, *High energy mechanical milling synthesis of NiFe2O4/Supermalloy nanocomposite* powders, Proceedings of the World Powder Metallurgy Congress and Exhibition, World PM 2010, vol. V (2010) 265-270

2 T. Marinca, I. Chicinaş, **F. Popa**, C.V. Prică, O. Isnard, A. Sorcoi,
Synthesis of ZnFe2O4/α-Fe nanocomposite powders by high energy mechanical milling,
Proceedings of the World Powder Metallurgy Congress and Exhibition, World PM 2010, vol. V (2010) 259-264

1 I. Chicinaş, B. Neamţu, O. Isnard, **F. Popa**, V. Pop, E. Dorolti,
The influence of the wet-milling process on the properties of Ni3Fe and Supermalloy magnetic powders,
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