

LISTA DE LUCRĂRI

A) 10 lucrări reprezentative

- i. **T.F. Marinca**, I. Chicinaş, O. Isnard, V. Pop; F. Popa, Synthesis, structural and magnetic characterisation of nanocrystalline nickel ferrite – NiFe_2O_4 obtained by reactive milling, Journal of Alloys and Compounds, 509 (2011) 7931– 7936. – **Factor de impact – 3,779.**
- ii. **T.F. Marinca**, I. Chicinaş, O. Isnard, V. Popescu, Nanocrystalline/nanosized $\text{Ni}_{1-\gamma}\text{Fe}_{2+\gamma}\text{O}_4$ ferrite obtained by contamination with Fe during milling of $\text{NiO-Fe}_2\text{O}_3$ mixture. Structural and magnetic characterization, Journal of the American Ceramic Society, 96 (2013) 469– 475. – **Factor de impact – 2,956.**
- iii. **T.F. Marinca**, B.V. Neamţu, F. Popa, V.F.Tarța, P. Pascuta, A.F. Takacs, I. Chicinaş, Synthesis and characterization of the $\text{NiFe}_2\text{O}_4/\text{Ni}_3\text{Fe}$ nanocomposite powder and compacts obtained by mechanical milling and spark plasma sintering, Applied Surface Science, 285P (2013) 2-9. – **Factor de impact – 4,439.**
- iv. **T.F. Marinca**, I. Chicinaş, O. Isnard, Synthesis, structural and magnetic characterization of nanocrystalline CuFe_2O_4 as obtained by a combined method reactive milling, heat treatment and ball milling, Ceramics International, 38 (2012) 1951–1957. – **Factor de impact – 3,057.**
- v. **T.F. Marinca**, I. Chicinaş, O. Isnard, Structural and magnetic properties of the copper ferrite obtained by reactive milling and heat treatment, Ceramics International, 39 (2013) 4179-4186. – **Factor de impact – 3,057.**
- vi. **T.F. Marinca**, H.F. Chicinaş, B.V. Neamţu, O. Isnard, I. Chicinaş, Structural, thermal and magnetic characteristics of $\text{Fe}_3\text{O}_4/\text{Ni}_3\text{Fe}$ composite powder obtained by mechanosynthesis-annealing route, Journal of Alloys and Compounds, 652 (2015) 313-321. – **Factor de impact – 3,779.**
- vii. **T.F. Marinca**, I. Chicinaş, O. Isnard, Influence of the heat treatment conditions on the formation of CuFe_2O_4 from mechanical milled precursors oxides, Journal of Thermal Analysis and Calorimetry, 110 (2012) 301–307. – **Factor de impact – 2,209.**
- viii. **T.F. Marinca**, H.F. Chicinaş, B.V. Neamţu, I. Chicinaş, O. Isnard, P. Pascuta, Nanocrystalline/nanosized Fe_3O_4 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. – **Factor de impact – 2,943.**
- ix. **T.F. Marinca**, H.F. Chicinaş, B.V. Neamţu, O. Isnard, A. Mesaroş, I. Chicinaş, Composite magnetic powder of $\text{Ni}_3\text{Fe}/\text{Fe}_3\text{O}_4$ type obtained from $\text{Fe/NiO/Fe}_2\text{O}_3$ mixtures by mechanosynthesis and annealing, Journal of Alloys and Compounds 714 (2017) 484-492. – **Factor de impact – 3,779.**

- x. **T.F. Marinca**, H.F. Chicinaş, B.V. Neamţu, O. Isnard, P. Pascuta, N. Lupu, G. Stoian, I. Chicinaş, Mechanosynthesis, structural, thermal and magnetic characteristics of oleic acid coated Fe₃O₄ nanoparticles, Materials Chemistry and Physics, 171 (2016) 336-345. – Factor de impact – 2,210.

B) Teza de doctorat

Titlul tezei: Materiale nanocompozite magnetice moi obținute prin aliere/măcinare mecanică

Conducător științific: prof.dr.ing.fiz. Ionel CHICINAŞ

Domeniul: ingineria materialelor

Universitatea Tehnică din Cluj-Napoca - 2011

C) Brevete de invenție - 1

- I. Chicinaş, **T.F. Marinca**, F. Popa, B.V. Neamţu, Pulbere nanostructurată de tipul Permalloy(Supermalloy)/Rhometal si procedeu de obținere. Număr brevet RO130354-B1.

D) Cărți și capitole în cărți

D1) Cărți/capitole ca autor - 3

- i. **T.F. Marinca**, Spectroscopia în infraroşu capitol (112 pagini) în Metode de caracterizare a materialelor, UTPRESS - ISBN 978-606-737-300-4, 2018
- ii. **T.F. Marinca**, Elemente de Metalurgie Fizică, U.T. Press, Cluj-Napoca, ISBN 978-606-737-379-0, 2019 -format electronic – 226 pagini
- iii. B.V. Neamţu, **T.F. Marinca**, F. Popa, Tehnici de analiză a materialelor - Aplicații practice, U.T. Press, Cluj-Napoca, 2015 – ISBN 978-606-737-033-1. – 185 pagini

D2) Cărți/capitole ca editor - 2

- iv. **TF. Marinca**, B.V. Neamţu, F. Popa, Book of Abstracts - 5th International Conference on Powder Metallurgy & Advanced Materials, UTPress, Cluj-Napoca, ISBN 978-606-737-260-1, 2017. - în engleză
- v. **T.F. Marinca**, B.V. Neamţu, F. Popa, Powder Metallurgy and Advanced Materials, Materials Research Forum LLC, Millersville, SUA - ISBN 978-1-945291-98-2, 2018. – în engleză

E) Articole în extenso publicate în reviste din fluxul științific principal - 74

E1) Articole ISI și ISI proceedings - 64

E1.1) Articole ISI cu factor de impact – 44

1. C.V. Prica, **T.F. Marinca**, B.V. Neamtu, F. Popa, V. Popescu, I. Chicinaş, Structural and thermal investigation of Ta-25 mass% Cu alloy prepared by mechanochemical route, *Journal of Thermal Analysis and Calorimetry* 136 (2019) 995-1001. – **Factor de impact – 2,209.**
2. A. Mesaros, B.S. Vasile, D. Toloman, O.L. Pop, **T.F. Marinca**, M. Unguresan, I. Perhita, M. Filip, F. Iordache, Towards understanding the enhancement of antibacterial activity in manganese doped ZnO nanoparticles, *Applied Surface Science*, 471 (2019) 960-972. – **Factor de impact – 4,439.**
3. V. Pascalau, E. Pall, M. Tertis, M. Suciu, C. Cristea, G. Borodi, A. Bodoki, T. Topala, R. Stiufluc, A. Moldovan, C. Pavel, **T.F. Marinca**, C. Popa, In vitro study of BSA gel/polyelectrolyte complexes core shell microcapsules encapsulating doxorubicin for antitumoral targeted treatment, *International Journal of Polymeric Materials and Polymeric Biomaterials* 68 (2018) 60-72. – **Factor de impact – 2,127.**
4. H.F. Chicinas, **T.F. Marinca**, A. Mesaros, P. Gotze, A. Eckert, G. Stoian, C. Leostean, O. Pana, N. Lupu, C.O. Popa, Preparation and characterisation of WC-10Co powders obtained by aqueous milling, *Ceramics International* 44 (2018) 22935-22942. – **Factor de impact – 3,057.**
5. D. Pascalau, **T.F. Marinca**, S. Buduru, A.S. Mesaros, Optic changes due to innovative experimental formulations for bleaching non-vital teeth. In vitro study, *Optoelectronics and Advanced Materials-Rapid Communications*, 12 (2018) 764-770. – **Factor de impact – 0,386.**
6. H.F. Chicinas, **T.F. Marinca**, B.V. Neamtu, G. Contiu, O. Isnard, I. Chicinas, I. Influence of process control agent type on the mechanochemical synthesis of Fe₃O₄ particles, *Advanced Powder Technology* 29 (2018) 1838-1847. – **Factor de impact – 2,943.**
7. D. Pascalau, M.C. Dudescu, MC V. Merie, M. Pustan, **T.F. Marinca**, D.C. Ionel, A.S. Mesaros, Oxidative Chemical Hybrid Formulations for Internal Bleaching of Endodontically Treated Teeth, *Revista De Chimie* 69 (2018) 1760-1765. – **Factor de impact – 1,412.**
8. H.F. Chicinas, D.O. Jucan, **T.F. Marinca**, B.V. Neamtu, G. Contiu, P. Gotoe, A. Eckert, C.O. Popa, Influence of milling media on the structure and agglomeration behaviour of some hardmetal powder, *Powder Metallurgy* 61 (2018) 342-34. – **Factor de impact – 0,893.**

9. C. Voicu, F. Popa, **T.F. Marinca**, B.V. Neamtu, M. Lostun, N. Lupu, I. Chicinas, Synthesis and characterisation of Al₂O₃/Ni-type composites obtained by spark plasma sintering, Powder Metallurgy 61 (2018) Pages: 251-257. – **Factor de impact – 0,893.**
10. C.V. Prică, B.V. Neamțu, F. Popa, **TF Marinca**, N. Sechel, I. Chicinaș, Invar-type nanocrystalline compacts obtained by spark plasma sintering from mechanically alloyed powders, Journal of Materials Science 53 (5) (2018) 3735-3743. – **Factor de impact – 2,993.**
11. H.F. Chicinaș, **T.F. Marinca**, P. Götze, A. Eckert, C.O. Popa, Influence of aqueous milling duration on the sintered WC–10Co hard metal powders, Journal of Materials Science 53 (4) (2018) 2901-2910. – **Factor de impact – 2,993.**
12. B.V. Neamțu, M. Nasui, **T.F. Marinca**, F. Popa, I. Chicinaș, Soft magnetic composites based on hybrid coated Fe-Si nanocrystalline powders, Surface and Coatings Technology 330 (2017) 219-227. – **Factor de impact – 2,906.**
13. **T.F. Marinca**, H.F. Chicinaș, B.V. Neamțu, F. Popa, I. Chicinaș, Reactive spark plasma sintering of mechanically activated α-Fe₂O₃/Fe, Ceramics International 43 (16) (2017) 14281-14291. – **Factor de impact – 3,057.**
14. C.D. Stanciu, **T.F. Marinca**, I. Chicinaș, O. Isnard, Characterisation of the Fe-10 wt% Si nanocrystalline powder obtained by mechanical alloying and annealing, Journal of Magnetism and Magnetic Materials 441 (2017) 455-464. – **Factor de impact – 3,046.**
15. F. Popa, H.F. Chicinaș, **T.F. Marinca**, I. Chicinaș, Influence of mechanical alloying and heat treatment processing on the Ni₂MnSn Heusler alloy structure, Journal of Alloys and Compounds 716 (2017) 137-143. – **Factor de impact – 3,779.**
16. **T.F. Marinca**, H.F. Chicinaș, B.V. Neamțu, O. Isnard, A. Mesaroș, I. Chicinaș, Composite magnetic powder of Ni₃Fe/Fe₃O₄ type obtained from Fe/NiO/Fe₂O₃ mixtures by mechanosynthesis and annealing, Journal of Alloys and Compounds 714 (2017) 484-492. – **Factor de impact – 3,779.**
17. B.V. Neamțu, H.F. Chicinaș, G. Ababei, M. Gabor, **T.F. Marinca**, N. Lupu, I. Chicinaș, A comparative study of the Fe-based amorphous alloy prepared by mechanical alloying and rapid quenching, Journal of Alloys and Compounds 703 (2017) 19-25. – **Factor de impact – 3,779.**
18. **T.F. Marinca**, H.F. Chicinaș, B.V. Neamțu, I. Chicinaș, O. Isnard, P. Pascuta, 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. – **Factor de impact – 2,943.**
19. B.V. Neamțu, H.F. Chicinaș, **T.F. Marinca**, O. Isnard, O. Pană, I. Chicinaș, Amorphisation of Fe-based alloy via wet mechanical alloying assisted by PCA decomposition, Materials Chemistry and Physics, 183 (2016) 83-92. – **Factor de impact – 2,210.**

20. B.V. Neamțu, H.F. Chicinaș, **T.F. Marinca**, O. Isnard, I. Chicinaș, Preparation and characterisation of Co–Fe–Ni–M–Si–B (M = Zr, Ti) amorphous powders by wet mechanical alloying, *Journal of Alloys and Compounds*, 673 (2016) 80-85. – **Factor de impact – 3,779.**
21. **T.F. Marinca**, I. Chicinaș, O. Isnard, B. V. Neamțu, Nanocrystalline/nanosized manganese substituted nickel ferrites – $\text{Ni}_{1-x}\text{Mn}_x\text{Fe}_2\text{O}_4$ obtained by ceramic-mechanical milling route, *Ceramics International*, 42 (2016) 4754-4763. – **Factor de impact – 3,057.**
22. **T.F. Marinca**, H.F. Chicinaș, B.V. Neamțu, O. Isnard, P. Pascuta, N. Lupu, G. Stoian, I. Chicinaș, Mechanosynthesis, structural, thermal and magnetic characteristics of oleic acid coated Fe_3O_4 nanoparticles, *Materials Chemistry and Physics*, 171 (2016) 336-345. – **Factor de impact – 2,210.**
23. B.V. Neamțu, H.F. Chicinaș, **T.F. Marinca**, O. Isnard, I. Chicinaș, F. Popa, Synthesis of amorphous $\text{Fe}_{75}\text{Si}_{20-x}\text{M}_x\text{B}_5$ (M = Ti, Ta, Zr) via wet mechanical alloying and its structural, thermal and magnetic characterization, *Advanced Powder Technology*, 27 (2016) 461-470. – **Factor de impact – 2,943.**
24. C.V. Prică, **T.F. Marinca**, F. Popa, N.A. Sehel, O. Isnard, I. Chicinaș, Synthesis of nanocrystalline Ni_3Fe powder by mechanical alloying using an extreme friction mode, *Advanced Powder Technology*, 27 (2016) 395-402. – **Factor de impact – 2,943.**
25. **T.F. Marinca**, H.F. Chicinaș, B.V. Neamțu, O. Isnard, I. Chicinaș, Structural, thermal and magnetic characteristics of $\text{Fe}_3\text{O}_4/\text{Ni}_3\text{Fe}$ composite powder obtained by mechanosynthesis-annealing route, *Journal of Alloys and Compounds*, 652 (2015) 313-321. – **Factor de impact – 3,779.**
26. I. Chicinas, **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. – **Factor de impact – 4,439.**
27. **T.F. Marinca**, I. Chicinaș, O. Isnard, B.V. Neamțu, Nanocrystalline/nanosized Fe_3O_4 particles obtained by annealing and mechanical milling, *Optoelectronics and Advanced Materials - Rapid Communications*, 9(5-6) (2015) 730-733. – **Factor de impact – 0,386.**
28. 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, *Advanced Powder Technology*, 26(1) (2015) 323-328. – **Factor de impact – 2,943.**
29. B.V. Neamțu, **T. F. Marinca**, I. Chicinaș, O. Isnard, Structural, magnetic and thermal characterisation of amorphous FINEMET powders prepared by wet mechanical alloying, *Journal of Alloys and Compounds*, 626 (2015) 49-55. – **Factor de impact – 3,779.**
30. **T.F. Marinca**, B.V. Neamțu, I. Chicinaș, P. Pascuta, Influence of mechanical activation time, annealing and Fe/O ratio on $\text{Fe}_3\text{O}_4/\text{Fe}$ composites formation from

- Fe₂O₃ and Fe powders mixture, Journal of Thermal Analysis and Calorimetry, 118 (2014) 1245–1251. – **Factor de impact – 2,209.**
31. **T.F. Marinca**, B.V. Neamțu, I. Chicinaș, O. Isnard, Synthesis of Fe₃O₄/Fe nanocomposite powder from Fe₂O₃ and Fe powder by mechanochemical synthesis. Structural, thermal and magnetic characterisation, Journal of Alloys and Compounds, 608 (2014) 54-59. – **Factor de impact – 3,779.**
32. **T.F. Marinca**, B.V. Neamțu, I. Chicinaș, O. Isnard, Structural and magnetic characteristics of composite compacts of Fe/Fe₃O₄ type obtained by sintering, IEEE Transactions on Magnetics, 50(4) (2014) 2800604. – **Factor de impact – 1,467.**
33. I. Chicinaș, **T.F. Marinca**, B.V. Neamțu, P. Pascuta, V. Pop, Thermal stability of the manganese-nickel mixed ferrite and iron phases in the Mn_{0.5}Ni_{0.5}Fe₂O₄/Fe composite/nanocomposite powder, Journal of Thermal Analysis and Calorimetry, 118 (2014) 1269–1275. – **Factor de impact – 2,209.**
34. I. Chicinaș, **T.F. Marinca**, B.V. Neamțu, F. Popa, O. Isnard, V. Pop, Synthesis, structural and magnetic properties of nanocrystalline/nanosized manganese-nickel ferrite - Mn_{0.5}Ni_{0.5}Fe₂O₄, IEEE Transactions on Magnetics, 50(4) (2014) 2800704. – **Factor de impact – 1,467.**
35. B.V. Neamțu, **T. F. Marinca**, I. Chicinaș, O. Isnard, F. Popa, P. Pascuta, 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. – **Factor de impact – 3,779.**
36. B.V. Neamțu, I. Chicinaș, O. Isnard, I. Ciascăi, F. Popa, **T. F. Marinca**, Consolidation and DC magnetic properties of nanocrystalline Superalloy/iron composite cores prepared by spark plasma sintering, Journal of Magnetism and Magnetic Materials, 353 (2014) 6-10. – **Factor de impact – 3,046.**
37. **T.F. Marinca**, B.V. Neamțu, F. Popa, V.F. Tarță, P. Pascuta, A.F. Takacs, I. Chicinaș, Synthesis and characterization of the NiFe₂O₄/Ni₃Fe nanocomposite powder and compacts obtained by mechanical milling and spark plasma sintering, Applied Surface Science, 285P (2013) 2-9. – **Factor de impact – 4,439.**
38. V.F. Tarță, **T.F. Marinca**, I. Chicinaș, F. Popa, B.V. Neamțu, P. Pascuta, A.F. Takacs, Study on stability of phases in ball milled ZnFe₂O₄/Fe composite during spark plasma sintering, Materials and Manufacturing Processes, 28 (2013) 933-938. – **Factor de impact – 2,669.**
39. **T.F. Marinca**, I. Chicinaș, O. Isnard, Structural and magnetic properties of the copper ferrite obtained by reactive milling and heat treatment, Ceramics International, 39 (2013) 4179-4186. – **Factor de impact – 3,057.**
40. **T.F. Marinca**, I. Chicinaș, O. Isnard, V. Popescu, Nanocrystalline/nanosized Ni_{1-γ}Fe_{2+γ}O₄ ferrite obtained by contamination with Fe during milling of NiO-Fe₂O₃ mixture. Structural and magnetic characterization, Journal of the American Ceramic Society, 96 (2013) 469–475. – **Factor de impact – 2,956.**

41. **T.F. Marinca**, I. Chicinaş, O. Isnard, Influence of the heat treatment conditions on the formation of CuFe₂O₄ from mechanical milled precursors oxides, Journal of Thermal Analysis and Calorimetry, 110 (2012) 301–307. – **Factor de impact – 2,209**.
42. **T.F. Marinca**, I. Chicinaş, O. Isnard, Synthesis, structural and magnetic characterization of nanocrystalline CuFe₂O₄ as obtained by a combined method reactive milling, heat treatment and ball milling, Ceramics International, 38 (2012) 1951–1957. – **Factor de impact – 3,057**.
43. **T.F. Marinca**, I. Chicinaş, O. Isnard, V. Pop, F. Popa, Synthesis, structural and magnetic characterisation of nanocrystalline nickel ferrite – NiFe₂O₄ obtained by reactive milling, Journal of Alloys and Compounds, 509 (2011) 7931– 7936. – **Factor de impact – 3,779**.
44. **T.F. Marinca**, I. Chicinaş, O. Isnard, V. Pop, Structural and magnetic properties of nanocrystalline ZnFe₂O₄ powder synthesized by reactive ball milling, Optoelectronics and Advanced Materials - Rapid Communications, 5 (1) (2011) 39-43. – **Factor de impact – 0,386**.

E1.2) Articole ISI fără factor de impact - 20

45. **T.F. Marinca**, H.F. Chicinas, B.V. Neamtu, F. Popa, N.A. Sechel, I. Chicinaş, Reactive mechanical milling of Fe-Ni-Fe₂O₃ mixtures, , Powder Metallurgy and Advanced Materials - Materials Research Proceedings, 8 (2018) 18-27.
46. V. Cebotari, F. Popa, **T.F. Marinca**, V. Popescu, I. Chicinas, Caracterisation of high manganese silicides prepared by mechanical milling, Powder Metallurgy and Advanced Materials - Materials Research Proceedings, 8 (2018) 80-88.
47. F. Popa, L. Copil, V. Cebotari, **T.F. Marinca**, B.V. Neamtu, N.A. Sechel, I. Chicinaş, Study on the particle size reduction by milling of quartz sand for magnetic separation, Powder Metallurgy and Advanced Materials - Materials Research Proceedings, 8 (2018) 95-104.
48. A. Cotai, **T.F. Marinca**, F. Popa, Fe₂O₃ hematite quantity increase in quartz sand by heat treatments, Powder Metallurgy and Advanced Materials - Materials Research Proceedings, 8 (2018) 105-114.
49. B.V. Neamtu, **T.F. Marinca**, H.F. Chicinas, F. Popa, I. Chicinas, O. Isnard, G. Ababei, M. Gabor, A comparative study of the Co-based amorphous alloy prepared by mechanical alloying and rapid quenching, Powder Metallurgy and Advanced Materials - Materials Research Proceedings, 8 (2018) 157-166.
50. C. Nicolicescu, V.H. Nicoara, F. Popa, **T.F. Marinca**, Obtaining of W/Cu nanocomposite powders by high energy ball milling process, Powder Metallurgy and Advanced Materials - Materials Research Proceedings, 8 (2018) 173-181.

51. C. Nicolicescu, V.H. Nicoara, F. Popa, **T.F. Marinca**, Wear behavior and microhardness of some W/Cu functionally graded materials obtained by spark plasma sintering, Powder Metallurgy and Advanced Materials - Materials Research Proceedings, 8 (2018) 182-191.
52. 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 (1) (2017) 012045.
53. **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.
54. 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) 243-248.
55. 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.
56. 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.
57. V.F. Tarță, 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.
58. V.F. Tarță, I. Chicinaş, **T.F. Marinca**, B.V. Neamţu, F. Popa, Effect of sintering parameters on the properties of ZnFe₂O₄/α-Fe nanocomposite compacts, Solid State Phenomena, 188 (2012) 31-36.
59. **T.F. Marinca**, I. Chicinaş, C. Prică, F. Popa, Nickel ferrite powder obtained by high energy reactive ball milling, Materials Science Forum, 672 (2011) 145-148.
60. **T.F. Marinca**, I. Chicinaş, V. C. Prică, F. Popa and B.V. Neamţu, Zinc Ferrite Powder Synthesized by High Energy Reactive Ball Milling, Materials Science Forum, 672 (2011) 149-152.I. Chicinaş, V. Pop, F. Popa, C.V. Prică,
61. **T.F. Marinca**, B.V. Neamţu, L.A. Sorcoi, Formation of the Hipernik Alloy by Mechanical Alloying, Materials Science Forum, 672 (2011) 68-71.
62. C.V. Prică, **T.F. Marinca**, F. Popa, I. Chicinaş, Ni₃Fe Mechanically Alloyed: “Shock Mode” versus “Friction Mode”, Materials Science Forum, 672 (2011) 153-156.
63. I. Chicinaş, V. Pop, F. Popa, C. V. Prică, **T.F. Marinca**, B.V. Neamţu, L.A. Sorcoi, Synthesis of the Mümetal Magnetic Powders by Mechanical Alloying, Materials Science Forum, 672 (2011) 157-160.

64. 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.

E2) Lucrări indexate în alte baze de date - 10

E2.1) Lucrări indexate în Scopus - 4

65. I. Chicinaş, **T.F. Marinca**, F. Popa, B.V. Neamţu, V. Pop, P. Pascuta, Production of nanostructured powders like permalloy (supermalloy)/rhometal, Euro PM 2014 Congress and Exhibition, Proceedings - Code 117821.
66. I. Chicinaş, **T.F. Marinca**, B.V. Neamţu, F. Popa, V. Pop, O. Isnard, V.F. Tarță, 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&T 2013, Vol. 3 (2013) 1713-1720.
67. **T.F. Marinca**, I. Chicinaş, F. Popa, C.V. Prică, O. Isnard, A. Sorcoi, Synthesis of ZnFe₂O₄/α-Fe nanocomposite powders by high energy mechanical milling, Proc. World Powder Metallurgy Congress&Exhibition, PM 2010, 10-14 oct. 2010, Florence, Italy, Vol. 5 (2010) 259-264.
68. **T.F. Marinca**, I. Chicinaş, F. Popa, C.V. Prică, O. Isnard, A. Sorcoi, High energy mechanical milling synthesis of NiFe₂O₄/Superalloy nanocomposite powders, Proc. World Powder Metallurgy Congress&Exhibition, PM 2010, 10-14 oct. 2010, Florence, Italy, Vol. 5 (2010) 265-270.

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