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L I S T Ă D E L U C R Ă R I

➤ *Teza de doctorat*

Titlul: COMPORTAREA MAGNETICĂ A SISTEMELOR DE NANOPARTICULE FERIMAGNETICE DISPERSE. APLICAȚII LA GENERAREA OSCILAȚIILOR DE RADIOFRECVENȚĂ DE PUTERE (Universitatea de Vest Timișoara, 2003).

- cu distincția „*SUMMA CUM LAUDE*”;

Conducător științific: Prof. dr. Hrianca Ioan (Universitatea de Vest Timișoara);

➤ *Cărți/manuale didactice/capitole publicate*

(cu referenți, în edituri recunoscute CNCSIS)

1. Title: *Nanoparticles size effect on some magnetic properties*,

Chapter in: *Handbook of Nanoparticles*, accepted (2014);

SPRINGER, Germany, 2015, 41 pages;

Author: **C. Caizer**

2. Titlul: ***Bioelectromagnetism. Lucrări de laborator***
Editura EUROBIT, Timișoara, 2013, 168 pagini; ISBN: 978-973-132-080-9
Autor: **C. Caizer**
3. Titlul: ***Fizică experimentală***
Editura EUROBIT, Timișoara, 2012, 262 pagini; ISBN: 978-973-132-016-8
Autor: **C. Caizer**
4. Titlul: ***Nano- biomagnetism***
Editura UNIVERSITĂȚII DE VEST, Timișoara, 2010, 286 pagini; ISBN: 978-973-125-337-4
Autor: **C. Caizer**
5. Titlul: ***Impulsuri electrice. Aplicații în circuite electrice, dispozitive electronice și magnetism tehnic***
Editura MIRTON, Timișoara, 2007, 268 pagini; ISBN: 978-973-52-0064-0
Autor: **C. Caizer**
6. Titlul: ***Sisteme de nanoparticule ferimagnetice disperse. Comportare magnetică***
Editura UNIVERSITĂȚII DE VEST, Timișoara, 2004, 166 pagini; ISBN: 973-8433-73-8
Autor: **C. Caizer**
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Editura EUROBIT, Timișoara, 2004, 200 pagini; ISBN: 973-620-186-4;
Autor: **C. Caizer**
8. Titlul: ***Electricitate și magnetism. Lucrări experimentale***

Editura EUROBIT, Timișoara, 2004, 212 pagini; ISBN: 973-8181-38-0;

Autori: **C. Caizer, I. Hrianca**

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➤ *Alte lucrări și contribuții științifice*

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➤ ***Lucrări științifice comunicate la Conferințe***

▪ ***Lucrări științifice comunicate la Conferințe Internaționale (sau cu participare internațională) - extras -***

1. **C. Caizer**, *3D/2D computational study on magnetic relaxation/stability in linear magnetic field of aligned nanoparticles*, **20th International Conference on Magnetism (ICM2015)**, July 5-10, Barcelona, Spain, 2015. Contribution: Topic 4, Magnetism of nanoscale systems (Magnetic nanoparticles), accepted.
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5. **C. Caizer**, *Superparamagnetic hyperthermia with magnetoliposomes for the cancer therapy*, **12th National Conference on Biophyscs (CNB 2013) – Biophysics for Health, with International Participation**, June 13-16, Iasi, Romania, 2013. Contribution: Health Physics, P42.
6. **C. Caizer**, *Magnetic anisotropy of $Co_{\delta}Fe_{3-\delta}O_4$ nanoparticles for applications in magnetic hyperthermia*, **The 19th International Conference on Magnetism (ICM 2012)**, July 8–13, 2012, Bexco, Busan. Contribution: PO-Interdisciplinary topics, PO07.
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9. **C. Caizer**, M. Ștefănescu, M. Stoia, P. Barvinschi, A. Neculae, *The Fe^{2+}, Fe^{3+} ions and annealing temperature influence on the structure and magnetization of the $Co_x(Fe^{2+}, Fe^{3+})_{3-x}O_4$ nanoparticles, obtained through the co-precipitation method*, **7th International Conference on Fine Particle Magnetism (ICFPM 2010)**, June 21 – 24, 2010, Uppsala, Sweden. Contribution: PI, p. 92.

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11. **C. Caizer**, D.M. Bălțăteanu, *Computational method for precise evaluation of the mean magnetic diameter of the SPM nanoparticles*, **IEEE Magnetics Society Chapter (IEEE ROMSC 2009)**, Romanian Section, June 6 - 9, 2009, Iași, România. Contribution: Section D, Computational Magnetism, P10.
12. **C. Caizer**, P. Vlăzan, P. Barvinschi, *The effect of Co^{2+} ions concentration on the magnetic behavior of the surfacted/ nonsurfacted $\text{Co}_x\text{Fe}_{(3-x)}\text{O}_4$ nanoparticles*, **IEEE Magnetics Society Chapter (IEEE ROMSC 2009)**, Romanian Section, June 6 - 9, 2009, Iasi, Romania. Contribution: Section A, Magnetic Materials and Advanced Characterization, P11.
13. M. Ștefănescu, M. Stoia, **C. Caizer**, T. Dippong, P. Barvinschi, *Preparation of $\text{Co}_x\text{Fe}_{3-x}\text{O}_4$ nanoparticles by thermal decomposition of some organo-metallic precursors*, **14-th International Conference on Thermal Analysis and Calorimetry**, 14 – 18 September, 2008, São Pedro, Brazil. Contribution: H07, p. 71.
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20. **C. Caizer**, D. Bălțăteanu, *Precise method for evaluating the mean magnetic diameter of the superparamagnetic nenoparticles*, **Physics Conference (TIM-05) - with International Participation**, Timișoara, November 25th – 26th, 2005. Contribution: MMP-03.
21. **C. Caizer**, V. Tura, *Magnetic relaxation in Co ferrite nanoparticles covered with amorphous silica and dispersed in water*, **7th International Conference on Physics of Advanced Materials (ICPAM-7)**, June 10 - 12, 2004, Iași, Romania. Contribution: Section 3: Magnetic Properties, P-III.9, p. 28.
22. M. Ștefănescu, **C. Caizer**, M. Stoia, O. Ștefănescu, *Ni,Zn/SiO₂ ferrite nanocomposites prepared by an improved sol-gel method and their characterisation*, **7th International Conference on Physics of Advanced Materials (ICPAM 7)**, June 10 - 12, 2004, Iași, Romania. Contribution: Section 1: Processing and Characterization, O-I.3, p. 13.
23. **C. Caizer C.**, M. Ștefănescu, M. Stoia, P. Barvinschi, O. Ștefănescu, *Ultrafine magnetic particles embedded in a silica matrix obtained by a new chemical route of synthesis*, **Physics Conference (TIM-04) - with International Participation**, Timișoara, November 26th – 27th, 2004. Contribution: MMP-03, p. 76.
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