

Papers published of the members of the Physics Dept. during 1.01.2009 -  
21.05.2010  
(as of ISI Web of Knowledge)

1. Title: [Probing particle aggregation in aqueous suspensions by light scattering anisotropy measurements](#) Author(s): Chicea, D Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 12 Issue: 1 Pages: 152-158 Published: 2010
2. Title: [Revealing Fe<sub>3</sub>O<sub>4</sub> nanoparticles aggregation dynamics using dynamic light scattering](#) Author(s): Chicea, D Source: OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS Volume: 3 Issue: 12 Pages: 1299-1305, Published: 2009
3. Title: [Alternative photopyroelectric detection method of phase transitions in ferroelectric materials](#) Author(s): Dadarlat, D; Chicea, D; Houriez, N, et al. Source: OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS Volume: 3 Issue: 4 Pages: 323-325 Published: 2009
4. Title: [AN ALTERNATIVE ALGORITHM TO CALCULATE THE BIOSPECKLE SIZE IN COHERENT LIGHT SCATTERING EXPERIMENTS](#) Author(s): Chicea, D Conference Information: 8th International Balkan Workshop on Applied Physics, Date: JUL 05-07, 2007 Constanta ROMANIA Source: ROMANIAN JOURNAL OF PHYSICS Volume: 54 Issue: 1-2 Pages: 147-155 Published: 2009
5. Title: [On aqueous Fe<sub>3</sub>O<sub>4</sub> nanofluid room temperature synthesis and physical properties](#) Author(s): Chicea, D; Goncea, CM Source: OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS Volume: 3 Issue: 3 Pages: 185-189 Published: 2009
6. Title: [WATER BASED MAGNETIC FLUID IMPACT ON YOUNG PLANTS GROWING](#) Author(s): Racuciu, M; Creanga, D; Olteanu, Z Source: ROMANIAN REPORTS IN PHYSICS Volume: 61 Issue: 2 Pages: 259-268 Published: 2009
7. Title: [Effects of radiofrequency radiation on root tip cells of Zea mays](#) Author(s): Racuciu, M Source: ROMANIAN BIOTECHNOLOGICAL LETTERS Volume: 14 Issue: 3 Pages: 4366-4370 Published: 2009
8. Title: [Synthesis protocol influence on aqueous magnetic fluid properties](#) Author(s): Racuciu, M Source: CURRENT APPLIED PHYSICS Volume: 9 Issue: 5 Pages: 1062-1066 Published: 2009
9. Title: [BIOCOMPATIBLE MAGNETIC FLUID NANOPARTICLES INTERNALIZED IN VEGETAL TISSUE](#) Author(s): Racuciu, M; Creanga, DE Conference Information: 3rd National Conference on Applied Physics, Date: JUN 09-10, 2007 Galati ROMANIA Source: ROMANIAN JOURNAL OF PHYSICS Volume: 54 Issue: 1-2 Pages: 115-124 Published: 2009

10. Title: [CYTOGENETICAL CHANGES INDUCED BY beta-CYCLODEXTRIN COATED NANOPARTICLES IN PLANT SEEDS](#)  
 Author(s): Racuciu, M; Creanga, DE Conference Information: 8th International Balkan Workshop on Applied Physics, Date: JUL 05-07, 2007 Constanta ROMANIA Source: ROMANIAN JOURNAL OF PHYSICS Volume: 54 Issue: 1-2 Pages: 125-131 Published: 2009
11. Title: [Aqueous magnetic fluids instabilities in a Hele-Shaw cell](#)  
 Author(s): Racuciu, M Source: OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS Volume: 3 Issue: 2 Pages: 132-134 Published: 2009
12. Title: [NUMERICAL STUDY ON THE MAGNETIC PROPERTIES OF THE SINGLE LAYER UNPURIFIED THIN FILM](#)  
 Author(s): Birsan, E; Chis, R Source: MODERN PHYSICS LETTERS B Volume: 24 Issue: 10 Pages: 971-977 Published: 2010
13. Title: [Magnetic Properties of Multilayer Thin Film with Ising-Like Ordering](#)  
 Author(s): Birsan, E Source: ACTA PHYSICA POLONICA A Volume: 117 Issue: 3 Pages: 500-505 Published: 2010
14. Title: [Randomly Distributed Vacancies Influence on Magnetic Properties of the Bilayer Thin Film](#)  
 Author(s): Birsan, E Source: JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM Volume: 22 Issue: 7 Pages: 711-714 Published: 2009
15. Title: [Monte Carlo Simulation on Triple Layer Thin Film Spin Lattice in Extended Heisenberg Model](#)  
 Author(s): Birsan, E  
 Source: ACTA PHYSICA POLONICA A Volume: 115 Issue: 3 Pages: 713-720 Published: 2009
16. Title: [Numerical Study on Magnetic Transitions in Double-Layer Spin Lattice Using Anisotropic Heisenberg Model](#)  
 Author(s): Birsan, E Source: JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM Volume: 22 Issue: 4 Pages: 357-366 Published: 2009
17. Title: [MONTE CARLO APPROACH ON DOUBLE-LAYER MAGNETIC SPIN LATTICE IN ANISOTROPIC HEISENBERG MODEL](#)  
 Author(s): Birsan, E; Niga, O Source: INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 23 Issue: 2 Pages: 251-264 Published: 2009
18. Title: [MONTE CARLO STUDY OF MULTILAYER FILMS USING ANISOTROPIC EXTENDED HEISENBERG MODEL WITH DIPOLAR INTERACTION](#)  
 Author(s): Birsan, E; Dobrita, A; Chis, R Source: MODERN PHYSICS LETTERS B Volume: 23 Issue: 4 Pages: 643-653 Published: 2009