

Publications

- Research articles indexed in ISI Web of Knowledge:

1. Title: [The Temperature Dependent Anisotropy Influence on the Magnetic Behavior of Thin Films](#)

Author(s): Birsan E.; Chis R.

Source: ACTA PHYSICA POLONICA A Volume: 120 Issue: 6 Pages: 1065-1069 Published: DEC 2011

Times Cited: 0

2. 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

Times Cited: 0

3. 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

Times Cited: 0

4. 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

Times Cited: 3

5. 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

Times Cited: 0

6. 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

Times Cited: 0

7. 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

Times Cited: 0

8. 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
Times Cited: 1

9. Title: [Double-layer thin films magnetic properties dependence on anisotropic Heisenberg model parameters](#)

Author(s): Birsan, E

Source: MODERN PHYSICS LETTERS B Volume: 22 Issue: 17 Pages: 1683-1694 Published: 2008
Times Cited: 1

10. Title: [Monte Carlo study on induced antiferromagnetic phase in bilayer films using anisotropic extended Heisenberg model](#)

Author(s): Birsan, E; Chis, R; Dobrita, A

Source: ACTA PHYSICA POLONICA A Volume: 113 Issue: 6 Pages: 1701-1707 Published: 2008
Times Cited: 1

11. Title: [Stability of metallic ferromagnetism: correlated hopping of electrons in mn\(4\)n](#)

Author(s): Birsan, E; Candin, C

Conference Information: National Conference on Applied Physics, Date: JUN 09-10, 2006 Galati
ROMANIA

Source: ROMANIAN JOURNAL OF PHYSICS Volume: 53 Issue: 1-2 Pages: 261-266 Published:
2008

Times Cited: 0

12. Title: [Electronic correlation approach in itinerant ferromagnetism](#)

Author(s): Birsan, E; Candin, C

Conference Information: National Conference on Applied Physics, Date: JUN 09-10, 2006 Galati
ROMANIA

Source: ROMANIAN JOURNAL OF PHYSICS Volume: 53 Issue: 1-2 Pages: 267-272 Published:
2008

Times Cited: 0

13. Title: [Monte Carlo study on bilayer thin films magnetic properties dependence with discontinuous anisotropy parameters](#)

Author(s): Birsan, E

Source: CENTRAL EUROPEAN JOURNAL OF PHYSICS Volume: 6 Issue: 2 Pages: 296-305
Published: 2008

Times Cited: 1

14. Title: [Dimensional comparative study of magnetic nanoparticles dispersed in water or kerosene](#)

Author(s): Racuciu, M; Creanga, DE; Apetroaie, N; Birsan E.

Conference Information: 8th International Balkan Workshop on Applied Physics, Date: JUL 05-07,
2007 Constanta

ROMANIA

Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 10 Issue: 2
Pages: 280-283 Published: 2008

Times Cited: 2

15. Title: [The superexchange interaction influence on the magnetic ordering in manganites](#)
Author(s): Birsan, E
Source: JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 320 Issue: 5 Pages: 646-650 Published: 2008
Times Cited: 4
16. Title: [Effect of randomness on magnetics and thermodynamics properties in double-exchange model](#)
Author(s): Birsan, E
Source: OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS Volume: 1 Issue: 6 Pages: 299-301 Published: 2007
Times Cited: 0
17. Title: [The specific heat behavior of the Kondo lattice model in manganese oxides](#)
Author(s): Birsan, E; Candin, C
Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 9 Issue: 7
Pages: 2237-2240 Published: JUL 2007
Times Cited: 0
18. Title: [Magnetic transitions in metallic compounds determined by RKKY interactions](#)
Author(s): Birsan, E; Candin, C; Racuciu, M
Conference Information: 7th International Balkan Workshop on Applied Physics, Date: JUL 05-07, 2006 Constanta ROMANIA
Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 9 Issue: 4
Pages: 911-915 Published: 2007
Times Cited: 0
19. Title: [Comparative study on magnetic nanoparticles colloids stability](#)
Author(s): Racuciu, M; Creanga, D; Tupu, P; Birsan E.
Conference Information: 7th International Balkan Workshop on Applied Physics, Date: JUL 05-07, 2006 Constanta ROMANIA
Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 9 Issue: 4
Pages: 946-948 Published: 2007
Times Cited: 0

- Books:

1. Title: [Elemente de procesare a semnalului în detecția de tip radar](#)
Editor(s): Editura Universitatii Lucian Blaga din Sibiu, ISBN 978-606-12-1693-2
Published: 2019
2. Title: [Asupra unor elemente fundamentale în detecția de tip radar](#)
Editor(s): Editura Universitatii Lucian Blaga din Sibiu, ISBN 978-606-12-1582-9
Published: 2018
3. Title: [Noi abordari in detectia de tip Radar](#)
Editor(s): Editura Universitatii Lucian Blaga din Sibiu, ISBN 978-606-12-1476-1

Published: 2017
4. Title: [Aplicatii rezolvate de mecanica clasica](#)
Editor(s): Editura Universitatii Lucian Blaga din Sibiu, ISBN 978-606-12-1343-6
Published: 2016

5. Title: [Teme experimentale de fizica generala](#)
Editor(s): Editura Universitatii Lucian Blaga din Sibiu, ISBN 978-606-12-1060-2
Published: 2015
6. Title: [Fizica – Fenomene electrice si magnetice](#)
Editor(s): Editura Universitatii Lucian Blaga din Sibiu, ISBN 978-606-12-0769-5
Published: 2014
7. Title: [Metode numerice în studiul ordonării magnetice](#)
Author(s): Eugen Birsan
Editor(s): Editura Universitatii Lucian Blaga din Sibiu, ISBN 978-606-12-0530-1
Published: 2013
8. Title: [Fizica generala – elemente de mecanica clasica](#)
Author(s): Eugen Birsan
Editor(s): Editura Universitatii Lucian Blaga din Sibiu, ISBN 978-606-12-0108-2
Published: 2011
9. Title: [Lucrari practice de fizica generala](#)
Author(s): Eugen Birsan, Mihaela Racuciu
Editor(s): Editura Universitatii Lucian Blaga din Sibiu, ISBN (10) 973-739-326-0; ISBN (13) 978973-739-326-5
Published: 2006
10. Title: [Modele fizice in magnetismul temperaturilor scazute](#)
Author(s): Eugen Birsan
Editor(s): Editura Universitatii Lucian Blaga din Sibiu, ISBN 973-739-061-X
Published: 2005
11. Title: [Notiuni de fizica corpului solid](#)
Author(s): Gheorghe-Dorin Stoicescu, Mihaela Racuciu, Eugen Birsan
Editor(s): Editura Universitatii Lucian Blaga din Sibiu, ISBN 973-651-762-4
Published: 2003