

Primele zece lucrari ca numar de citari publicate in domeniul nanotehnologiilor, cu autori din Romania sunt:

1. Lect. dr. Nicolae Leopold, Universitatea Babeş-Bolyai, Facultatea de Fizică

A new method for fast preparation of highly surface-enhanced Raman scattering (SERS) active silver colloids at room temperature by reduction of silver nitrate with hydroxylamine hydrochloride

Author(s): Leopold N, Lendl B

Source: JOURNAL OF PHYSICAL CHEMISTRY B Volume: 107 Issue: 24 Pages: 5723-5727

Published: JUN 19 2003

Austria

2. Profesor Liliana MITOSERIU, Universitatea Al. I. Cuza Iasi, Facultatea de Fizica

Grain-size effects on the ferroelectric behavior of dense nanocrystalline BaTiO₃ ceramics

Author(s): Zhao Z, Buscaglia V, Viviani M, Buscaglia MT, Mitoseriu L, Testino A, Nygren M, Johnsson M, Nanni P

Source: PHYSICAL REVIEW B Volume: 70 Issue: 2 Article Number: 024107 Published: JUL 2004

Italia

3. Prof. Daniela Dragoman Univ. din Bucuresti Facultatea de Fizica, Prof. Mircea Dragoman INCD Microtehnologie

Terahertz fields and applications

Author(s): Dragoman D, Dragoman M

Source: PROGRESS IN QUANTUM ELECTRONICS Volume: 28 Issue: 1 Pages: 1-66 Published: 2004

4. Dr. Ligia Frunza, INCD Fizica Materilelor

Host/guest interactions in nanoporous materials .1. The embedding of chiral salen manganese(III) complex into mesoporous silicates

Author(s): Frunza L, Kosslick H, Landmesser H, Hoft E, Fricke R

Source: JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL Volume: 123 Issue: 2-3 Pages: 179-187 Published: AUG 29 1997

5. Dr. Mihaela Baibarac, Dr. Ioan Baltog, INCD Fizica Materialelor

Polyaniline and carbon nanotubes based composites containing whole units and fragments of nanotubes

Author(s): Baibarac M, Baltog I, Lefrant S, Mevellec JY, Chauvet O

Source: CHEMISTRY OF MATERIALS Volume: 15 Issue: 21 Pages: 4149-4156 Published: OCT 21 2003

6. Prof. Marius Enachescu, Universitatea Politehnica Bucuresti

Atomic force microscopy study of an ideally hard contact: The diamond(111) tungsten carbide interface

Author(s): Enachescu M, van den Oetelaar RJA, Carpick RW, Ogletree DF, Flipse CFJ, Salmeron M

Source: PHYSICAL REVIEW LETTERS Volume: 81 Issue: 9 Pages: 1877-1880 Published: AUG 31 1998

7. Dr. Ioan Balint, Institutul de Chimie Fizica al Academiei Romane

Preparation of Ru nanoparticles supported on gamma-Al₂O₃ and its novel catalytic activity for ammonia synthesis

Author(s): Miyazaki A, Balint L, Aika K, Nakano Y

Source: JOURNAL OF CATALYSIS Volume: 204 Issue: 2 Pages: 364-371 Published: DEC 10 2001

8. Profesor Mircea Diudea, Dr. Monica Stefu, Profesor Bazil Parv, Universitatea Babes Bolyai

Wiener index of armchair polyhex nanotubes

Author(s): Diudea MV, Stefu M, Parv B, John PE

Source: CROATICA CHEMICA ACTA Volume: 77 Issue: 1-2 Pages: 111-115 Published: MAY 2004

9. Profesor Iosif Daniel Rosca, Universitatea POLITEHNICA Bucuresti, Facultatea de Chimie Industriala

Oxidation of multiwalled carbon nanotubes by nitric acid

Author(s): Rosca ID, Watari F, Uo M, Akaska T

Source: CARBON Volume: 43 Issue: 15 Pages: 3124-3131 Published: DEC 2005

10. Dr. Maria Zaharescu, Dr. Maria Crisan, Dr. Alexandra Barau Szatvanyi, Dr. Mariuca Gartner, Institutul de Chimie Fizica al Academiei Romane

TiO₂(Fe³⁺) nanostructured thin films with antibacterial properties

Author(s): Trapalis CC, Keivanidis P, Kordas G, Zaharescu M, Crisan M, Szatvanyi A, Gartner M

Source: THIN SOLID FILMS Volume: 433 Issue: 1-2 Pages: 186-190 Published: JUN 2 2003

Se remarca faptul ca avem de a face cu lucrari avand autori din 6 institutii de cercetare si invatamant superior. De asemenea trebuie remarcat faptul ca exceptand lucrarea de pe locul 3 toate celelalte sunt lucrari realizate in colaborare cu grupuri din strainatate – un aspect deosebit de important in perspectiva prezentului studiu.

De asemenea trebuie remarcat faptul ca trei lucrari au tema legata de cataliza si materiale catalitice, trei lucrari au tema legata de nanotuburi de carbon.