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Lista monografiilor, brevetelor, articolelor si lucrarilor stiintifice

a. Teza de doctorat

Cercetari privind obtinerea si caracterizarea de noi materiale implicate in conservarea si restaurarea operelor de arta – sustinuta public in octombrie 2005

b. Indrumare publicate/culegeri de probleme, cursuri proprii pe Web, prin care se aduc contribuții la dezvoltarea activităților didactice/profesionale

I.G. SANDU, *Instruire asistata de calculator. Caiet de laborator*, Ed. Performantica, Iasi, 2007, ISBN 978-973-730-395-0, 130 pagini

c. Cărți de specialitate publicate în edituri recunoscute

1. I. SANDU M. BRÂNZILĂ, **I.G. SANDU**, *Conservarea stiintifica a monumentelor de piatra*, Ed. Univ. "Al.I.Cuza", (ISBN 978-973-703-476-2), Iași, 2009, 314 pp.;

2. I.G. SANDU, I. SANDU, A. DIMA, *Aspecte moderne privind conservarea bunurilor culturale*, vol.III. Autentificarea și restaurarea artefactelor din materiale anorganice, Ed. Performantica, (ISBN 973-730-048-3 și 973-730-049-1) Iași, 2006, 502 pagini

3. I. SANDU, **I.G. SANDU**, *Aspecte moderne privind conservarea bunurilor culturale*, vol.I. Nomenclatură, tipologii și cazuistici, Ed. Performantica, (ISBN 973-730-048-3 și 973-730-049-1) Iași, 2005, 473 pagini

4. I. SANDU, I.C.A. SANDU, **I. G. SANDU**, *Colorimetria în artă*, Ed. Corson, Iași, (ISBN 973-8225-28-0), 2002, 430 pagini

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1. F. TOFOLEANU, T. BALAU MINDRU, F. BRINZA, N. SULITANU, **I.-G. SANDU**, D. RAILEANU, V. FLORISTEAN, B.-A. HAGIU, C. IONESCU, I. SANDU, V. Tura, *Electrospun Gelatin Nanofibers Functionalized with Silver Nanoparticles, Silver Nanoparticles: Properties, Characterization and Applications*, Series: Nanotechnology

Science and Technology (Editors: Audrey E. Welles), (ISBN: 978-1-61728-062-7), Nova Science Publishers, 2010;

Proceeding-uri sau cărți de editor sau coordonator (1):

I.G. SANDU (Chairman), **Scientific, Technological and Innovative Research in Current European Context (Euroinvent, International Workshop)**, Ed. StudIS, Iasi, (ISBN: 978-606-775-212-0), 2017, 126p. FIN = 12,6x0,05/1 = 6.30:

d. Articole / studii publicate în reviste de specialitate de circulație internațională recunoscute (ISI)

1. V.G. VASILESCU, I. SANDU, G. NEMTOI, A.V. SANDU, V. POPESCU, V. VASILACHE, **I.G. SANDU**, E. VASILESCU, *The reactivity of Ti10Zr alloy in biological and electrochemical systems in the presence of chitosan*, **RCS ADVANCES (ISSN 2046-2069)**, 7, 2017, No pp. 13919-13927, DOI: 10.1039/c7ra00231a, **Impact Factor = 3.289/0.628/2015**, Author Factor = **0,411**;
2. A. SEDRATI, B. HOUHA, G. ROMANESCU, **I.G. SANDU**, D.C. DIACONU, I. SANDU, *Impact of Agriculture Upon the Chemical Quality of Groundwaters within the Saharian Atlas Steppe El-Meita (Khenchela-Algeria)*, **REVISTA DE CHIMIE**, (Bucharest), **68**, 2, 420-423, 2017, **Impact Factor = 0.956/2015**, Author Factor = **0,160**;
3. I.V. ASAFTEI, N.C. LUNGU, L.M. BIRSA, **I.G. SANDU**, L.G. SARBU, M. IGNAT, *Performance of Ag-HZSM-5 Zeolite Catalysts in n-heptane Conversion*, **REVISTA DE CHIMIE**, (Bucharest), **68**, 1, 116-120, 2017, **Impact Factor = 0.956/2015**, Author Factor = **0,160**;
4. AESLINA ABDUL KADIR, AHMAD SHAYUTI ABDUL RAHIM, IOAN GABRIEL SANDU, MOHD MUSTAFA AL BAKRI ABDULLAH, ANDREI VICTOR SANDU, *Leachate Characteristic of Mosaic Sludge Brick*, **REVISTA DE CHIMIE**, (Bucharest), 67,5, 2016, p.978-983;
5. AESLINA ABDUL KADIR, ALI BENLAMOUDI, IOAN GABRIEL SANDU, MOHD MUSTAFA AL BAKRI ABDULLAH, ANDREI VICTOR SANDU, *Leachability of Lead by Incorporation of Treated and Untreated Sugarcane Bagasse in Solidification/stabilization Method. A comparative study*, **REVISTA DE CHIMIE**, (Bucharest), 67,4, 2016, p.673-678;
6. IULIEAN VASILE ASAFTEI, NECULAI CATALIN LUNGU, MIHAIL LUCIAN BIRSA, LAURA GABRIELA SARBU, MARIA IGNAT, IOAN GABRIEL SANDU, *Conversion of Light Hydrocarbons From Petroleum Refining Processes Over Zn-HZSM-5 (Nitrate) and Zn-HZSM-5 (Acetate) Catalyst. A comparative study*, **REVISTA DE CHIMIE**, (Bucharest), 67,8, 2016, p.1523-1528;
7. IULIEAN VASILE ASAFTEI, KAMEL EARAR, NECULAI CATALIN LUNGU, LUCIAN-MIHAIL BIRSA, MARIA IGNAT, VALENTIN PLESU, IOAN GABRIEL SANDU, *Comparative Study Between Zn - Cu- HZSM-5 and Zn-HZSM-5 (Acetate) Catalysts in Conversion of C4 - C4= Technical Fraction*, **REVISTA DE CHIMIE**, (Bucharest), 67,4, 2016, p.734-740;
8. IULIEAN VASILE ASAFTEI, IOAN GABRIEL SANDU, NECULAI CATALIN LUNGU, LUCIAN MIHAIL BIRSA, LAURA GABRIELA SARBU, MARIA IGNAT, *Conversion of Butane-Butylene Mixtures over B(Al)-HZSM-5 Catalyst Prepared by Impregnation and over ZnO/HZSM-5 Co-Catalyst Prepared by Mechanical Mixing*, **REVISTA DE CHIMIE**, (Bucharest), 67,5, 2016, p.847-853;
9. DANIELA DIRTU, NECULAI CATALIN LUNGU, PAUL CHIRITA, IOAN GABRIEL SANDU, MIHAIL LUCIAN BIRSA, KAMEL EARAR, LAURA GABRIELA SARBU, *Synthesis of Novel 4-(3,5-Dibromo-2-hydroxyphenyl)-5-Methyl-1,3-Dithiol-2-ylidene Derivatives*, **REVISTA DE CHIMIE**, (Bucharest), 67,3, 2016, p.534-537;

10. FELICIA DRAGAN, IRINA KACSO, FLAVIA MARTIN, GHEORGHE BORODI, IOAN BRATU, MARCEL COSTULEANU, IOAN GABRIEL SANDU, VLADIMIR POROCH, *Solid State Interactions Between Ketoprofen and Excipients in Solid Dosage Forms*, **REVISTA DE CHIMIE**, (Bucharest), 67,10, 2016, p.2043-2048;
11. LILIANA HRISTIAN, MARIA MAGDALENA OSTAFE, LILIANA ROZEMARIE MANEA, IOAN GABRIEL SANDU, LAURA LILIANA APOSTOL, ION SANDU, *Pilling Effect Evaluation Through Fingerprinting Method*, **REVISTA DE CHIMIE**, (Bucharest), 67,9, 2016, p.1717-1721;
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14. HALIZA JAYA, MOHD FIRDAUS OMAR, HAZIZAN MD AKIL, ZAINAL ARIFIN AHMAD, NIK NORIMAN ZULKEPLI, MOHD MUSTAFA AL BAKRI ABDULLAH, IOAN GABRIEL SANDU, PETRICA VIZUREANU, *Effect of Surface Modification on Sawdust Reinforced High Density Polyethylene Composites Under a Wide Range of Strain Rates*, **Materiale Plastice**, 53,1,2016, p. 85-90;
15. EMIL IOAN MURESAN, CARMEN ZAHARIA, AUGUSTIN MURESAN, ANGELA CEREMPEI, CEZAR DORU RADU, IOAN GABRIEL SANDU, *Studies on the Absorption of Dyes Used in the Textile Industry Using Metallosilicate Beads as Adsorbents*, **REVISTA DE CHIMIE**, (Bucharest), 67,6, 2016, p.1232-1237;
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34. D. DIRTU, I. V. ASAFTEI, P. CHIRITA, **I. G. SANDU**, M. L. BIRSA, K. EARAR, L. G. SARBU, *Synthesis of 1,3-Dithiol-2-ylidium Salts by Functionalization of Some Toluolols*, **REVISTA DE CHIMIE**, (Bucharest), 66,12, 2015, p. 2028-2030;
35. D. T. JURAVLE, V. IONESI, D. BULGARIU, C. M. CHIRA, S. MARE, I. G. BREABAN, **I. G. SANDU**, A. JURAVLE, *Mineralogical and Geochemical Study of Silto-lutitic Petrofacies of Upper Ypresian/Lower Lutetian Age. Paleoenvironmental significance*, **REVISTA DE CHIMIE**, (Bucharest), 66,12, 2015, p. 2082-2087;
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