

LISTA DE PUBLICATII

I Lucrari publicate

Necotate ISI

1. Mihaela Lazar, Maria Mihet, **Monica Dan**, Valer Almasan, Petru Marginean, Preparation and characterization of nickel based multicomponent catalysts, *Journal of Physics: Conference Series*, 182 (012049) 2009
2. Mihaela D. Lazar, **Monica Dan**, Maria Mihet, Producerea de hidrogen din surse regenerabile – unul dintre pilonii principali ai unei economii bazate pe energia hidrogenului, volumul „Producerea, transportul si utilizarea energiei”, Editura RISOPRINT Cluj Napoca, mai 2015

Cotate ISI

1. Mihaela D. Lazar, Monica Dan, Maria Mihet, Valer Almasan, Vasile Rednic, George Borodi, Hydrogen production by low temperature methane steam reforming using Ag and Au modified alumina supported nickel catalysts, *Rev.Roum.Chim*, 56(6) (2011) 637-642
2. **Monica Dan**, Mihaela D. Lazar, Vasile Rednic, Valer Almasan, Methane steam reforming over Ni/Al₂O₃ promoted by CeO₂ and La₂O₃, *Rev.Roum.Chim*, 56(6) (2011) 643-649
3. **Monica Dan**, Maria Mihet, Alexandru R. Biris, Petru Marginean, Valer Almasan, George Borodi, Fumiya Watanabe, Alexandru S. Biris, Mihaela D. Lazar, Supported nickel catalysts for low temperature methane steam reforming: comparison between metal additives and support modification, *Reac. Kinet. Mech. Cat.*, 105 (2012) 173–193
4. Mihaela D. Lazar, **Monica Dan**, Maria Mihet, George Borodi, Valer Almasan, Hydrogen production by ethanol steam reforming on Ni/oxide catalysts, *AIP Conf. Proc.* 1425 (2012) 131-134
5. **Monica Dan**, Maria Mihet, Valer Almasan, Ghorgho Borodi, Gabriel Katana, Liana Muresan, Mihaela D Lazar, Modified Ni-Cu catalysts for ethanol steam reforming, *AIP Conf. Proc.* 1565 (2013) 208-214

6. **Monica Dan**, Lacrimioara Senila, Marius Roman, Maria Mihet, Mihaela D. Lazar, From wood wastes to hydrogen – Preparation and catalytic steam reforming of crude bio-ethanol obtained from fir wood, *Renewable Energy*, 74 (2015) 27-36
7. **Monica Dan**, Maria Mihet, Zsolt Tasnadi-Asztalos, Arpad Imre-Lucaci, Gabriel Katana, Mihaela D. Lazar, Hydrogen production by ethanol steam reforming on nickel catalysts: Effect of support modification by CeO₂ and La₂O₃, *Fuel*, 147 (2015) 260-268
8. **Monica Dan**, Maria Mihet, Mihaela D. Lazar, Catalytic glycerol steam reforming for hydrogen production, *AIP Conf. Proc.* 1700 (2015) 06001-1 – 06001-5
9. **Monica Dan**, Maria Mihet, Mihaela D. Lazar, Liana Maria Muresan, Promoted alumina supported Ni catalysts for ethanol steam reforming, *Studia UBB Chemia*, LXI(2) (2016) 137-154
10. Alexandrina Nan, Xenia Filip, **Monica Dan**, Olivian Marincas, Clean production of new functional coatings of magnetic nanoparticles from sustainable resources, *Journal of Cleaner Production*, 210, (2019), 687-696
11. Maria Mihet, Gabriela Blanita, **Monica Dan**, Lucian Barbu-Tudoran, Mihaela D. Lazar, Pt/UIO-66 nanocomposites as catalysts for CO₂ transformation processes, *Journal of Nanoscience and Nanotechnology*, 19, (2019), 3187–3196
12. Oana Grad, Maria Mihet, **Monica Dan**, Gabriela Blanita, Teodora Radu, Camelia Berghian-Grosan, Mihaela D Lazar, Au/graphene composites: eco-friendly preparation method and catalytic applications for formic acid dehydrogenation, acceptat *J. Mater. Sci.*, doi :10.1007/s10853-019-03394-y

II. Capitole de carte

1. Mihaela D. Lazar, Lacrimioara Senila, **Monica Dan**, Maria Mihet, capitol „Crude bioethanol reforming process: the advantage of a bio-source exploitation”, in *Ethanol: Science and Engineering*; Angelo Basile, Adolfo Iulianelli, Francesco Dalena, T. Nejat Veziroglu Eds., Elsevier, 2019, ISBN 978-0-12-811458-2, p 257-288.

III. Brevete

1. “Procedeu de obținere a gazelor bogate în hidrogen prin reformarea catalitică a glicerinei la temperaturi scăzute” Autori: Mihaela D. Lazar, **Monica Dan**, Maria Mihet;

Cerere de brevet A/00523 din 22.07.2016; cererea publicata: RO131787 A0, 2017

2. “Procedeu de sinteză a structurii metal organice MIL-101(Cr)”

Autori: Blaniță Gabriela, Lupu Dan, Grad Oana, Mișan Ioan, Coldea Ioan, Lazăr Mihaela, Borodi Gheorghe, **Monica Dan**

Cerere de brevet Nr. A/01027 din 05.12.2017

3. „Procedeu de obținere a gazului de sinteză prin reformarea cu dioxid de carbon și abur a metanului la temperaturi scăzute catalizată de Ni/Al₂O₃ cu structură poroasă bimodală”

Autori: Lazăr Mihaela, **Monica Dan**, Maria Mihet

Cerere de brevet Nr. A/00911 din 19.11.2018