

## LIST OF PUBLICATIONS

1. **M. Mihet**, O. Grad, G. Blanita, T. Radu, M. D. Lazar – Effective Encapsulation of Ni nanoparticles in metal-organic frameworks and their application for CO<sub>2</sub> methanation, *Int. J. Hydrogen Energy*, **2019**, 44, 13383–13396.
2. O. Grad, **M. Mihet**, M. Dan, G. Blanita, T. Radu, C. Berghian-Grosan, M. D. Lazar – Au/reduced graphene oxide composites: eco-friendly preparation method and catalytic applications for formic acid dehydrogenation, *J. Mater. Sci.*, **2019**, 54, 6991–7004.
3. **M. Mihet**, G. Blanita, M. Dan, L. Barbu-Tudoran, M. D. Lazar – Pt/UiO-66 nanocomposites as catalysts for CO<sub>2</sub> methanation process, *J. Nanosci. Nanotechnol.*, **2019**, 19, 3187-3196. (doi:10.1166/jnn.2019.16607)
4. M. D. Lazar, L. Senila, M. Dan, **M. Mihet** – Crude Bioethanol Reforming Process: The Advantage of a Biosource Exploitation (chapter 10), in *Ethanol – Science and Engineering*, Editors: A. Basile, A. Iulianelli, F. Dalena, T. N. Veziroglu, **2019**, Elsevier, Amsterdam, 257–288. (<https://doi.org/10.1016/B978-0-12-811458-2.00010-9>)
5. **M. Mihet**, M. D. Lazar – Methanation of CO<sub>2</sub> on Ni/γ-Al<sub>2</sub>O<sub>3</sub>: Influence of Pt, Pd or Rh promotion, *Catal Today*, **2018**, **306**, 294–299. (<https://doi.org/10.1016/j.cattod.2016.12.001>)
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8. M. Dan, **M. Mihet**, M. D. Lazar – Catalytic Glycerol Steam Reforming for Hydrogen Production, *AIP Conf Proc*, **2015**, 1700, 060001. (doi: 10.1063/1.4938451)
9. M. Dan, **M. Mihet**, Z. Tasnadi-Asztalos, G. Katona, M. D. Lazar – Hydrogen production by ethanol steam reforming on nickel catalysts: Effect of support modification by CeO<sub>2</sub> and La<sub>2</sub>O<sub>3</sub>, *Fuel*, **2015**, 147, 260-268. (doi: 10.1016/j.fuel.2015.01.050)
10. G. Blanita, **M. Mihet**, G. Borodi, I. Misan, I. Coldea, D. Lupu – Ball milling and compression effects on hydrogen adsorption by MOF:Pt/carbon mixtures, *Microporous Mesoporous Mater*, **2015**, 203, 195-201. ([doi:10.1016/j.micromeso.2014.10.041](https://doi.org/10.1016/j.micromeso.2014.10.041))
11. M. Dan, L. Senila, M. Roman, **M. Mihet**, M. D. Lazar – From wood wastes to hydrogen: preparation and catalytic steam reforming of crude bio-ethanol obtained from fir wood, *Renewable Energy* **2015**, 74, 27-36. (doi: 10.1016/j.renene.2014.07.050)
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