

## List of publications



### Szücs-Balázs József-Zsolt

National Institute for Research and Development of Isotopic and Molecular Technologies NIRDIMT Cluj-Napoca  
Department Isotopic Physics and Technology

#### Articles (ISI)

5. Damian Axente, Stefan Bugeac, Stefan Gergely, Mihai Gligan, Cristina Marcu, **Zsolt Szucs**, Codruta Varodi, *The production of the isotope  $^{15}\text{N}$  by isotopic exchange in nitrox system at pressure*, REV. CHIM. (Bucharest) ,70, No.5, 2019, 1530-1533
4. V. Mureşan, C. Varodi, M-L. Ungureşan, **J-Zs. Szücs-Balázs**, *Temperature influence over the absorption process of  $\text{CO}_2$  in octane*, RO-LCG 2015, Cluj-Napoca, România
3. **J-Zs. Szücs-Balázs**, M. Coroş, A. Woiczehowski-Pop, G. Blăniţă, M. Vlassa, *Supported  $\text{H}_4\text{SiW}_{12}\text{O}_{40}$  Catalysts for  $\alpha$ -Pinene Isomerization*, Cent. Eur. J. Chem., 10(4), 2012, 1208-1217
2. **J-Zs. Szücs-Balázs**, M. Coroş, D. Molnar, M. Vlassa, *Microwave-assisted  $\alpha$ -pinene acidic catalytic isomerisation*, Rev. Roum. Chim., 57(2), 2012, 209-213
1. L. Kékedy-Nagy, **J-Zs. Szücs-Balázs**, *Determination of cadmium in environmental samples using the methane-air flame atomic absorption spectrometry*, Studia Chemia, 2, 2007

#### Participation in conferences

7. **J-Zs. Szücs-Balázs**, Ş. Bugeac, C. Varodi, C. Lar, M. Gligan, *Experimental plant for carbon isotopes separation by carbon monoxide cryogenic distillation*, New Cryogenic and Isotope Technologies for Energy and Environment, 2018, Băile Govora, România
6. **J-Zs. Szücs-Balázs**, C. Varodi, Ş. Bugeac, M. Gligan, A. Bâldea, *Optimum design of multi-stage isotope separation cascades for carbon isotope separation*, Progress in Cryogenics and Isotopes Separation, 2016, Vâlcea, România
5. M. Gligan, V. Mureşan, M-L. Ungureşan, C. Varodi, **J-Zs. Szücs-Balázs**, *Modeling and Simulation of the Carbon Dioxide Absorption Process in Octane*, Processes in Isotopes and Molecules, PIM 2015, Cluj-Napoca, România
4. C. Varodi, G. Cristea, M. Gligan, **J-Zs. Szücs-Balázs**, *Determination of  $^{15}\text{N}$  abundances by using ISOPRIME 100 mass spectrometer*, Processes in Isotopes and Molecules, PIM 2015, Cluj-Napoca, România
3. **J-Zs. Szücs-Balázs**, C. Varodi, Ş. Bugeac, M. Gligan, I. Hodor, *Determination of  $\text{CO}_2$  solubility in some secondary amine - non-aqueous solvent mixtures used in carbon isotope separation*, Progress in Cryogenics and Isotopes Separation, 2014, Vâlcea, România
2. C. Varodi, **J-Zs. Szücs-Balázs**, Ş. Bugeac, M. Gligan, I. Hodor, *Determination of  $\text{CO}_2$  solubility in some solvents with potential application in the carbon isotope separation*, Processes in Isotopes and Molecules, PIM 2013, Cluj-Napoca, România
1. **J-Zs. Szücs-Balázs**, M. Coroş, G. Blăniţă, *Supported heteropolyacid catalysts for  $\alpha$ -pinene isomerization*, International Symposium of The Romanian Catalysis Society - RomCat 2013, Cluj-Napoca, România