

Lucrări indexate ISI/BDI publicate în ultimii 10 ani

1. **Sima, S.**, Cismondi, M., Secuianu, C.; High-Pressure Phase Equilibrium for Carbon Dioxide plus Ethyl n-Butyrate Binary System; *JOURNAL OF CHEMICAL AND ENGINEERING DATA*; Volume 66; Issue 11; 4094-4102, ISI Q2
2. **Sima, S.**, Secuianu, C., Nichita, D.V.; High-pressure phase equilibria of carbon dioxide+1,4-dioxane binary system; *FLUID PHASE EQUILIBRIA*, 547, articolul 113181, pag 1-9, ISI Q2
3. **Sima, S.**, Secuianu, C.; The Effect of Functional Groups on the Phase Behavior of Carbon Dioxide Binaries and Their Role in CCS; *MOLECULES*, Volume 26, Issue 12, articolul 3733, ISI Q2
4. Ionita, M., **Sima, S.**, Cismondi, M., Secuianu, C.; Phase equilibria for the carbon dioxide plus cyclopentane plus cyclohexane system at high pressures; *REVUE ROUMAINE DE CHIMIE*, Volume 66, Issue 3, 303-308, ISI Q4
5. Ionita, M., Crisciu, A., Racovita, R.C., **Sima, S.**, Secuianu, C.; Phase diagram predictions for carbon dioxide; *University Politehnica Of Bucharest Scientific Bulletin Series B-Chemistry And Materials Science*, Volume 83, Issue 2, 117-132, ISI Q4
6. **Sima, S.**, Secuianu, C., Feroiu, V., Geana, D.; High-pressure phase equilibria of carbon dioxide+2-octanol binary system; *FLUID PHASE EQUILIBRIA*, 510, articolul 112487, pag. 1-10, ISI Q2
7. Crisciu, A.; Racovita, R.-C.; Secuianu, C.; **Sima, S.**; A Convenient Hybrid Method for Obtaining Liquid–Liquid Equilibrium Data in Ternary Systems; *JOURNAL OF CHEMICAL AND ENGINEERING DATA*; 65, 3384-3392, 2020, ISI Q2
8. **Sima, S.**; Racovita, RC; Chirila, A; Deaconu, D; Feroiu, V; Secuianu, C., Phase behaviour calculations for the carbon dioxide+1,2-dimethoxyethane binary system with a cubic equation of state, *STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA*, 64(3), 129-142, 2019, ISI Q4
9. **Sima, S.**; Ionita, S.; Secuianu, C.; Feroiu, V.; Geana, D., High-pressure phase equilibria of carbon dioxide+1-octanol binary system, *JOURNAL OF CHEMICAL AND ENGINEERING DATA*, 63(4), 1109-1122, 2018, ISI Q2.
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11. **Sima, S.**, Racovita, R. C., Dinca, C., Feroiu, V., Secuianu, C.*, Phase equilibria calculations for carbon dioxide + 2-propanol system, *UPB Scientific Bulletin, Series B: Chemistry and Materials Science* 79 (4), 11-24, 2017, ISI Q4.
12. **Sima, S.**, Milaneseo, J.M., Ramello, J.I., Cismondi, M., Secuianu, C.*, Feroiu, V., Geană, D., The effect of the naphthenic ring on the VLE of (carbon dioxide plus alkane) mixtures, *J. Chem. Thermodyn.* 93, 374-385, 2016, ISI Q1.
13. Crişciu, A., **Sima, S.**, Deaconu, A.-S., Chirilă, A., Deaconu, D., Secuianu, C.*, Feroiu, V., Modelling of the carbon dioxide + cyclohexane binary system with cubic equations of state, *Rev. Chim.-Bucharest* 67 (10),1984-1989, 2016, ISI Q3.
14. Simion, C., Gherase, D., **Sima, S.**, Simion, A. M., Serendipitous synthesis of a cyclic formamidine. Application to the synthesis of polyazamacrocycles, *C. R. Chimie*, **18 (6)**, 2015, 611-613, ISSN: 1631-0748, IF 2015: 1.713, SRI 2014: 0.306, DOI: 10.1016/j.crci.2014.12.006;
15. **Sima, S.**, Secuianu, C. *, Feroiu, V. *, Geană, D., New high-pressures vapor-liquid equilibrium data for the carbon dioxide + 2-methyl-1-propanol (isobutanol) binary system, *Cent. Eur. J. Chem.* 12 (9), 953-961, 2014, ISI Q3.
16. **Sima, S.**, Secuianu, C. *, Feroiu, V. *, Geană, D., New high-pressures vapor-liquid equilibrium data for the carbon dioxide + 2-methyl-2-propanol binary system, *Cent. Eur. J. Chem.* 12 (9), 893-900, 2014, ISI Q3.

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18. **Sima, S.**, Crișciu, A., Feroiu, V.*, Secuianu, C.*, Application of refractive index mixing rules in binary systems containing n-octane, 2-hexanol or 2-octanol at 298.15 K, *Rev. Chim.-Bucharest* 65 (2), 202-205, 2014, ISI Q3.
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