

Сведения, характеризующие научную ценность научных трудов, представленных для премии, присуждаемой Санкт-Петербургский государственным университетом за научные труды, в категории за вклад в науку молодых ученых.

Название цикла работ: «Реакционно-массообменные процессы и совмещенные равновесия в системах, образованных компонентами биотоплива: термодинамическое исследование и топология фазовых диаграмм»

1. Maria Toikka, Anna Sadaeva, Artemiy Samarov, Alexandra Golikova, Maya Trofimova, Nataliya Shcherbakova, Alexander Toikka. Chemical equilibrium for the reactive system propionic acid + ethanol + ethyl propionate + water at 303.15 and 313.15 K, Fluid Phase Equilibria, 2017., Vol. 451, P. 91-95, doi: 10.1016/j.fluid.2017.08.010
Количество цитирований: 0 (WOS), 0 (Scopus)
Impact factor(2017): **2.197**. Impact factor(5 лет): **2.214**.
SJR: **0.95**. SNIP: **1.033**. (Q1)
2. Alexandra Golikova, Artemiy Samarov, Maya Trofimova, Sevastyan Rabdano, Maria Toikka, Oleg Pervukhin, Alexander Toikka. Chemical Equilibrium for the Reacting System Acetic Acid–Ethanol–Ethyl Acetate–Water at 303.15 K, 313.15 K and 323.15 K, Journal of solution chemistry, 2017., Vol. 46, P. 374-387, doi: 10.1007/s10953-017-0583-1
Количество цитирований: 2 (WOS), 3 (Scopus)
Impact factor(2017): **1.401**. Impact factor(5 лет): **1.199**.
SJR: **0.481**. SNIP: **0.657**. (Q3)
3. Maria Toikka, Artemiy Samarov, Maya Trofimova, Alexandra Golikova, Nikita Tsvetov, Alexander Toikka. Solubility, liquid–liquid equilibrium and critical states for the quaternary system acetic acid–ethanol–ethyl acetate–water at 303.15 K and 313.15 K, Fluid Phase Equilibria, 2014., Vol. 373, P. 72-79, doi: 10.1016/j.fluid.2014.04.013
Количество цитирований: 11 (WOS), 10 (Scopus)
Impact factor(2017): **2.197**. Impact factor(5 лет): **2.214**.
SJR: **0.95**. SNIP: **1.033**. (Q1)
4. Samarov, A.A., Smirnov, M.A., Sokolova, M.P., Popova, E.N., Toikka, A.M. Choline chloride based deep eutectic solvents as extraction media for separation of n-hexane–ethanol mixture // Fluid Phase Equilibria. 2017. Т. 448. С. 123-127.
DOI 10.1016/j.fluid.2017.03.029
Количество цитирований: 6 (WOS), 6 (Scopus)

Impact factor(2017): **2.197**. Impact factor(5 лет): **2.214**.
SJR: **0.95**. SNIP: **1.033**. (Q1)

5. Samarov A., Toikka M., Trofimova M., Toikka A. Liquid-liquid equilibrium for the quaternary system propionic acid + n-propanol + n-propyl propionate + water at 293.15, 313.15 and 333.15 K // Fluid Phase Equilibria. 2016. Т. 425. С. 183-187.
DOI 10.1016/j.fluid.2016.05.033
Количество цитирований: 1 (WOS), 1 (Scopus)
Impact factor(2017): **2.197**. Impact factor(5 лет): **2.214**.
SJR: **0.95**. SNIP: **1.033**. (Q1)
6. Samarov, A.A., Toikka, M.A., Naumkin, P.V., Toikka, A.M. Chemical equilibrium and liquid-phase splitting in acetic acid + n-propanol + n-propyl acetate + water system at 293.15 and 353.15 K // Theoretical Foundations of Chemical Engineering. 2016. Т. 50. С. 739-745.
DOI: 10.1134/S0040579516050377
Количество цитирований: 3 (WOS), 3 (Scopus)
Impact factor(2017): **0.515**. Impact factor(5 лет): **0.491**.
SJR: **0.284**. SNIP: **0.754**. (Q3)
7. Artemiy Samarov, Pavel Naumkin, Alexander Toikka. Chemical equilibrium for the reactive system acetic acid + n-butanol + n-butyl acetate + water at 308.15 K // Fluid Phase Equilibria, 2015 Vol. 403, P. 10-13
DOI: 10.1016/j.fluid.2015.06.001
Количество цитирований: 2 (WOS), 3 (Scopus)
Impact factor(2017): **2.197**. Impact factor(5 лет): **2.214**.
SJR: **0.95**. SNIP: **1.033**. (Q1)
8. A.M. Toikka, A.A. Samarov, M.A. Toikka. Phase and chemical equilibria in multicomponent fluid systems with a chemical reaction // Russian Chemical Reviews. 84 (4). 2015. pp. 378-392.
DOI 10.1070/RCR4515
Количество цитирований: 4 (WOS), 5 (Scopus)
Impact factor(2017): **3.991**. Impact factor(5 лет): **3.836**.
SJR: **0.792**. SNIP: **1.913**. (Q1)
9. Artemiy Samarov, Maria Toikka, Alexander Toikka. Liquid–liquid equilibrium and critical states for the system acetic acid + n-butanol + n-butyl acetate + water at 308.15 K // Fluid Phase Equilibria. Volume 385, 2015, pp. 129–133.
DOI:10.1016/j.fluid.2014.11.004
Количество цитирований: 5 (WOS), 6 (Scopus)
Impact factor(2017): **2.197**. Impact factor(5 лет): **2.214**.
SJR: **0.95**. SNIP: **1.033**. (Q1)

10. Maria Toikka, Artemiy Samarov, Alexander Toikka. Solubility, liquid–liquid equilibrium and critical states for the system acetic acid + n-propanol + n-propyl acetate + water at 293.15 K and 303.15 K // *Fluid Phase Equilibria*, 2014. Vol. 375, P. 66-72.
DOI: 10.1016/j.fluid.2014.04.034
Количество цитирований: 9 (WOS), 10 (Scopus)
Impact factor(2017): **2.197**. Impact factor(5 лет): **2.214**.
SJR: **0.95**. SNIP: **1.033**. (Q1)
11. Samarov, A.A., Naumkin, P.V., Toikka, M.A., Toikka, A.M. Chemical equilibrium and liquid-liquid equilibrium for the system acetic acid - N-butanol - N-butyl acetate – Water // 22nd International Congress of Chemical and Process Engineering, CHISA 2016 and 19th Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction, PRES 2016, 1, P. 727.
Индексируется в Scopus

<https://proxy.library.spbu.ru:2090/record/display.uri?eid=2-s2.0-85050745468&origin=resultslist&sort=plf-f&src=s&st1=Chemical+equilibrium+and+liquid-liquid+equilibrium+for+the+system+acetic+acid+-+N-butanol+-+N-butyl+acetate+--+Water+&st2=&sid=06f2b462b82e2ff5e69963f82d7eb4a7&sot=b&sdt=b&sl=132&s=TITLE-ABS-KEY%28Chemical+equilibrium+and+liquid-liquid+equilibrium+for+the+system+acetic+acid+-+N-butanol+-+N-butyl+acetate+--+Water+%29&relpos=0&citeCnt=0&searchTerm=>
12. M.A. Toikka, N.S. Tsvetov, A.M. Toikka. Experimental Study of Chemical Equilibrium and Vapor–Liquid Equilibrium Calculation for Chemical Equilibrium States of the n Propanol–Acetic Acid–n Propyl Acetate–Water System // *Theoretical Foundations of Chemical Engineering*, 2013. Vol. 47. № 5. P. 554–562.
DOI: 10.1134/S0040579513050278
Количество цитирований: 10 (WOS), 11 (Scopus)
Impact factor(2017): **0.515**. Impact factor(5 лет): **0.491**.
SJR: **0.284**. SNIP: **0.754**. (Q3)
13. Maria Toikka, Alexander Toikka. Peculiarities of phase diagrams of reactive liquid–liquid systems // *Pure and Applied Chemistry*, 2013. Vol. 85. № 1. P. 277-288.
DOI: 10.1351/PAC-CON-12-05-07
Количество цитирований: 4 (WOS), 4 (Scopus)
Impact factor(2017): **5.294**. Impact factor(5 лет): **3.35**.
SJR: **1.212**. SNIP: **1.546**. (Q1)