



Department: School of Chemical Engineering

Professional field: Chemical Engineering and Technology

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Profile

2016-till now: Department head of Chemical Engineering at East China University of Science and Technology

2008.4- till now: Associate Professor in School of Chemical Engineering

2013.5- 2014.5: Massachusetts Institute of Technology, Visiting Scholar, USA.

2015.8- 2015.11: Queensland University of Technology, Visiting Scholar, Australia.

Research Field

Enhanced separation in biofuels, petrochemicals, pharmaceuticals, etc.

Research results and selected published papers

- [1] Yan Chen, Yanyang Wu*, Xiangyang Zhang, Measurement and correlation of solubility and thermodynamic properties of N-acetyl-L-glutamine in some pure solvents and binary solvents at various temperatures, Chemical Engineering Communications, 2019, 206(3): 355–364.
- [2] Xinchuan Qu, Yanyang Wu*, Jiawen Zhu, Kui Chen, Separation of ternary system (1,2-ethanediol + 1,3-butanediol + 1,3-propanediol) by distillation, Separation Science and Technology, 2018., 53(15): 2435–2443
- [3] Yajuan Li, Yanyang Wu*, Kui Chen, etc. Partition behavior of spiramycin in an aqueous two-phase system based on polyethylene glycol and sulfates, Separation Science and Technology, 2018, 53(3), 496–502.
- [4] Yanyang Wu, Xinchuan Qu; Jiawen Zhu, Thermodynamic data for separation of ternary mixture (1,2-propanediol + 1,3-butanediol + 1,4-butanediol) by distillation, Chemical Engineering Communications, 2018, 205(7): 947–954.
- [5] Bingxue Li, Yanyang Wu*, JiawenZhu, etc. Determination and correlation of solubility and mixing properties of isonicotinamide (formII) in some pure solvents, Thermochemica Acta, 2016, 627-629, 55–60.
- [6] Yang Zhong , Yanyang Wu*, Jiawen Zhu, etc. The Distillation Process Design for the Ternary System 1, 2-Butanediol+ 1, 4-Butanediol+ 2, 3-Butanediol. Separation Science and Technology, 2015, 50(16): 2545-2552.
- [7] Yanyang Wu, De-Tao Pan, Jiawen Zhu, etc. Isobaric Vapor-Liquid-Liquid Equilibria for 1-Butanol+ Water+ 2, 3-Butanediol at 101.3 kPa. Chemical Engineering Communications, 2015, 202 (2): 175-180.
- [8] Yang Zhong, Yanyang Wu*, Jiawen Zhu, etc. Thermodynamics in separation for the ternary system 1, 2-ethanediol+ 1, 2-propanediol+ 2, 3-butanediol. Industrial & Engineering Chemistry Research, 2014, 53(30): 12143-12148.
- [9] Yanyang Wu, Kui Chen, Jiawen Zhu, etc. Enhanced extraction of 2, 3 - butanediol by medley solvent of salt and n - butanol from aqueous solution. The Canadian Journal of Chemical Engineering, 2014, 92(3): 511-514.
- [10] Yanjun Li, Yanyang Wu*, Jiawen Zhu. Separation of 2,3-Butanediol from Fermentation Broth by Reactive-extraction using Acetaldehyde-cyclohexane System, Biotechnology and Bioprocess Engineering, 2013, 17, 337-345.