

## 教师简介

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|  | 姓名   | 段丛                   |
|   | 最高学历/学位  | 研究生/博士               |
|   | 毕业院校   | 河北工业大学               |
|   | 专业   | 化学工程与技术              |
|   | 研究方向   | 分离与纯化                |
|   | 所属教研室/实验中心   | 酿酒工程教研室              |
|   | 邮箱   | ctstduancong@163.com |
|   | 主讲课  | 《食品工程原理》、《无机及分析化学》   |
| 教科研项目   | 1、2018 年河北省研究生创新资助项目“煤制乙二醇副产物分离”，项目负责人，2018-2019，项目编号：CXZZBS2018034  |                      |
| 教科研成果   | <p><b>发表论文：</b></p> <p>(1) <b>Duan C</b>, Li C. Energy-saving improvement of heat integration for separating dilute azeotropic components in extractive distillation [J]. Energy, 2023: 125821.</p> <p>(2) <b>Duan C</b>, Li C. Process improvement for three-column extractive distillation by feed split[J]. Separation and Purification Technology, 2022, 297: 121467.</p> <p>(3) <b>Duan C</b>, Li C. Novel energy-saving methods to improve the three-column extractive distillation process for separating ethyl acetate and ethanol using furfural[J]. Separation and Purification Technology, 2021, 272: 118887.</p> <p>(4) <b>Duan C</b>, Li C, Li H. Separation of a close-boiling 1,2-propanediol and ethylene glycol mixture using pressure-related distillation[J]. Industrial &amp; Engineering Chemistry Research, 2020, 59(7): 3173-3181.</p> <p>(5) Li C, <b>Duan C</b>, Fang J, et al. Process intensification and energy saving of reactive distillation for production of ester compounds[J]. Chinese Journal of Chemical Engineering, 2019, 27(6): 1307-1323.</p> <p>(6) 李春利, <b>段丛</b>. 立体传质塔板 (CTST) 高效分离塔板技术进展[J]. 化工进展, 2020, 39(6): 2262-2274.</p> <p>(7) Li C, Wang X, Li H, <b>Duan C</b>, et al. Experimental determination and modeling of liquid-liquid equilibrium for ternary mixtures of ethylene glycol+1,2-butanediol+3-heptanone or anisole[J]. Journal of Chemical and Engineering Data, 2019, 64(4): 1780-1790.</p> <p>(8) 李春利, 董立会, <b>段丛</b>, et al. 共沸-反应精馏制备乙酸乙酯的实验与模拟[J]. 河北工业大学学报, 2017, 46(3): 68-72.</p> <p><b>授权专利：</b></p> <p>(1) 李春利, <b>段丛</b>, 王雪菲, 等. 萃取精馏分离乙二醇和 1,2-丁二醇的方法: ZL201910692001.X[P]. 2022-04-12.</p> |                      |

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