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近五年發表期刊論文

1. Hsu, C. H., Tsai, S. W. 2017. "Lipase-catalysed two-step desymmetrization of 2-methylmalonic dipyrazolide for preparation of optically pure enantiomer in organic solvents", *Biocat. Biotrans.* 35, 460-467.
2. Tsai, S. W. 2017. "Quantitative insights into one-pot sequential asymmetric enzymatic catalytic processes", *JTICHE*, 74, 79-88.
3. Lee, I. C., Wu, Y. C., Tsai, S. W., Chen, C. H., Wu, M. H. 2017. "Fabrication of two-layer dissolving polyvinylpyrrolidone microneedles with different molecular weights for: In vivo insulin transdermal delivery. *RSC Advances*, 7, 5067-5075.
4. Lee, I. C., Lin, W. M., Shu, J. C., Tsai, S. W., Chen, C. H., Tsai, M. T. 2017. "Formulation of two-layer dissolving polymeric microneedle patches for insulin transdermal delivery in diabetic mice" *J. Biomed. Mater. Research, Part A*, 7, 5067-5075.
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7. Hsiao, H. T. Lin, S. Y. Tsai, S. W. 2016. "Quantitative insights and improvements of enzyme activity and stereoselectivity for CALB-catalyzed alcoholysis in two-step desymmetrization," *J. Mol. Cat. B: Enzymatic*, 127, 82-88.
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13. Wu, C. H., Pen, C. W., Wang, P. Y., Tsai, S. W. 2013. "An efficient lipase-catalyzed enantioselective hydrolysis of (*R,S*)-azolides derived from N-protected proline, pipecolic acid, and nipecotic acid," *App. Microb. Biotechnol.*, 97, 1581-1587.

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