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國立台灣大學農業化學系學士 (1967)

台北第一女子高級中學高中部 (1963) (一女中保送台大)

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(二) 經歷：

國立台灣大學化學系名譽教授 (2000-)

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考試院考選部高、普考、特考襄試委員

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(五) 榮譽與獎項

- 1) 行政院頒發之特等服務獎章及獎金 (2010)

- 2) 第十屆亞州分析科學會議國際諮詢委員(2009)
- 3) 教育部頒發資深優良教師獎(服務四十年) (2008)
- 4) 第九屆亞州分析科學會議國際諮詢委員(2007)
- 5) 國立台灣大學傅斯年獎(2005)
- 6) 國立台灣大學教學優良獎 (2003)
- 7) 國立台灣大學教學優良獎 (2002)
- 8) 指導論文學生獲獎記錄
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(六)研究興趣

1. 奈米物質在分析上的利用
2. 金屬液晶的製備及其應用
3. 巨環化合物的製備及其應用
4. 分子烙印聚合物的製備及其應用
5. 新穎管柱材料的製備，如毛細管電層析、配位基交換層析及離子鉗合層析等

(七) 研究著作目錄

Referred Papers (期刊論文)

1. Chang, C. W., Chen, Y. C. and **Liu, C. Y.** (2015) Separation and on-Line Preconcentration of Nonsteroidal Anti-inflammatory Drugs by Microemulsion Electrokinetic Chromatography. *Electrophoresis*, 36, 2745–2753.
2. Chang, C. W., Chen, Y. C. and **Liu, C. Y.** (2014) An Investigation into the Stability of Microemulsions in Electrophoresis. *Electrophoresis*, 35, 2901–2906.
3. Huang, B. Y., Yang, C. K., Liu, C. P. and **Liu, C. Y.** (2014) Stationary Phases for the Enrichment of Glycoproteins and Glycopeptides. *Electrophoresis*, 35, 2091–2107.
4. Chen, Y. C., Liu, C. P., Yang, C. K. and **Liu, C. Y.** (2013) Preparation and Releasing Properties of Sol-Gel Encapsulated Proteins. *Journal of Analytical Sciences, Method and Instrumentation*, 3, 11-16.
5. Huang, B. Y., Chen, Y. C., Wang, G. R. and **Liu, C. Y.** (2011) Preparation and Evaluation of a Monolithic Molecularly Imprinted Polymer for the Chiral Separation of neurotransmitters and their Analogues by Capillary

- Electrochromatography. *Journal of Chromatography A*, 1218, 849-855.
6. Lee, C. H., Huang, B. Y., Chen, Y. C., Liu, C. P. and **Liu, C. Y.** (2011) Zirconia Nanoparticles-coated Column for the Capillary Electrochromatographic Separation of Iron-Binding- and Phosphorylated-Proteins. *Analyst*, 136, 1481-1487.
 7. Huang, B.Y., Chen, Y. C. and Liu, C. Y. (2011) An Insight into the Mechanism of CEC Separation of Template Analogues on a Norepinephrine-imprinted monolith. *Journal of Separation Sciences*, 34, 2293-2300.
 8. Misra, T.K., Huang, K. P. and **Liu, C. Y.** (2010) Bioconjugation of 32-Macrocylic Polyammonium Cations-functionalized Gold Nanoparticles with BSA. *Journal of Colloid and Interface Science*, 344, 137-143.
 9. Hsieh, Y. F., Huang, B. Y., Liu, C. P. and **Liu, C. Y.** (2010) NaDDBS as a Dispersion Agent for Multiwalled Carbon Nanotubes in Capillary EKC Separation of Nucleotides. *Electrophoresis*, 31, 3288-3295.
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 11. Wang, G. R., Huang, K. P., Huang, B. Y. and **Liu, C. Y.** (2009). Preparation and Characterization of Monoliths Covalently Bonded Chelating Groups for Capillary Electrochromatographic Separation of Metal Ions. *Journal of Chromatography A*, 1216, 6245-6251.
 12. Huang, K. P., Wang, G. R., Huang, B. Y. and **Liu, C. Y.** (2009). Preparation and Application of Ionic Liquid-Coated Fused-Silica Capillary Fibers for Solid-Phase Microextraction. *Analytica Chimica Acta*, 645, 42-47.
 13. Wu, C. H., Chen, T. H., Wang, G. R., Huang, K. P. and **Liu, C. Y.** (2009). Retention Behavior of Highly Hydrophobic Structurally Correlated Corticosteroids with SDS-Based Microemulsion. *Journal of Liquid Chromatography & Related Technologies*, 32, 833-848.
 14. Misra, T. K. and **Liu, C. Y.** (2009). Surface-Functionalization of Spherical Silver Nanoparticles with Macrocylic Polyammonium Cations and Their Potential for Sensing Phosphates. *Journal of Nanoparticle Research*, 11, 1053-1063.
 15. Huang, K. P., Misra, T. K., Wang, G. R., Huang, B. Y. and **Liu, C. Y.** (2008). Novel Stationary Phase for Complexation Gas Chromatography Originating from Ionic Liquid and Metallomesogen. *Journal of Chromatography A*, 1215, 177-184.
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- Macrocyclic Polyamine for the Molecular Recognition. *Electrophoresis*, 29, 1651-1657.
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 20. Chen, J. L. and **Liu, C. Y.** (2007). Separation of Dialkyl Sulfides by Metallomesogenic Stationary Phases for Complexation Gas Chromatography. *Journal of Chromatography A*, 1161, 269-274.
 21. Misra, T. K. and **Liu, C. Y.** (2007). Synthesis, Isolation and Redispersion of Resorcinarene-Capped Anatase TiO₂ Nanoparticles in Nonaqueous Solvents. *Journal of Colloid and Interface Science*, 310, 178-183.
 22. Lin, C. C., Wang, G. R. and **Liu, C. Y.** (2006). A Novel Monolithic Column for Capillary Electrochromatographic Separation of Oligopeptides. *Analytica Chimica Acta*, 572, 197-204.
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- Chromatography with Metallomesogenic Stationary Phase. *Analytica Chimica Acta*, 528, 83-88.
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