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Education/working experience:

1977-1981: BS, National Chung-Hsing Univ. (Chemistry), Taiwan.

1985-1988: Master, Montana State Univ. (Chemistry), U.S.A.

1988-1991: Ph.D., Montana State Univ. (Chemistry), U.S.A.

1998-now, Professor of Department of Chemistry, NSYSU.

2009-2012: President of Taiwan Society for Mass Spectrometry (TSMS).

2009-2016: Executive board member and Representative of Asia and Oceania (region B) of the International Mass Spectrometry Foundation (IMSF).

2011-2013: Deputy dean of College of Science, NSYSU

2018-now: Director of Rapid Screening Research Center for Toxicology and Biomedicine, NSYSU.

Honor/ Awards

- Outstanding Research Award, National Science Foundation, Taiwan, 2009
- National Invention and Creation Award, Ministry of Economic Affairs, 2010
- Chemical Technology Award, Chinese Chemical Society, Taipei; 2011
- Scientific Invention Award, YZ Hsu Memorial Foundation, 2012
- Outstanding Research Award, TSMS, 2013
- Best Reviewer, J. Am. Soc. Mass Spectrom. (JASMS), 2013
- Excellent Contributions in Technology Transfer Award, Ministry of Science and Technology, 2017

Representative Publications

1. Solid phase microextraction combined with thermal-desorption electrospray ionization mass spectrometry for high-throughput pharmacokinetics assays, *Anal. Chim. Acta*, 2018 (in press).
2. Laser-based ambient mass spectrometry, *Anal. Methods*, 2017, 9, 4924. (review)
3. Determination of elemental composition of metals using ambient organic mass spectrometry, *Anal. Chim. Acta.*, 2017, 968, 50.
4. Formation of metal-adducted analyte ions by flame-induced atmospheric pressure chemical ionization mass spectrometry, *Anal. Chem.*, 2016, 88, 5159.
5. Simultaneous detection of polar and nonpolar compounds by ambient mass spectrometry with a dual electrospray and atmospheric pressure chemical ionization source, *Anal. Chem.*, 2015, 87, 1743.
6. Rapid characterization of chemical compounds in liquid and solid states using thermal desorption electrospray ionization mass spectrometry, 2013, *Anal. Chem.*, 85, 8956.
7. Matrix-assisted laser desorption ionization/time-of-flight mass spectrometry for clinical diagnosis, *Clin. Chim. Acta.*, 2013, 415, 266. (review)
8. Ambient ionization mass spectrometry: A tutorial, *Anal. Chim. Acta.*, 2011, 702 (1), 1. (review)
9. Thin layer chromatography/mass spectrometry, *J. Chromatogr. A*, 2011, 1218 (19), 2700. (review)
10. Ambient ionization mass spectrometry, *Ann. Rev. Anal. Chem.*, 2010, 3, 43. (review)