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研究領域：原子阱同位素分析

Specialty: Atom trap trace analysis

[學 歷 Education]

- 1988 : 國立台灣師範大學 物理學系 學士
B.S., Department of Physics, National Taiwan Normal University
- 1997 : 美國堪薩斯州立大學 物理學系 博士
Ph.D., Department of Physics, Kansas State University, USA

[經 歷 Experiences]

- 2010/11 – 2014/07: 中央研究院 地球科學所 研究副技師
Associate Research Scientist, Institute of Earth Sciences, Academia Sinica
- 2004/10 - 2010/11: 中央研究院 地球科學所 研究助技師
Assistant Research Scientist, Institute of Earth Sciences, Academia Sinica
- 2002 - 2004: 中央研究院 地球科學所 特殊技術人員
Specialist, Institute of Earth Sciences, Academia Sinica
- 2000 - 2002 : 中央研究院 地球科學所 博士後學者
Postdoctoral Fellow, Institute of Earth Sciences, Academia Sinica
- 1998 - 2000 : 美國阿崗國家實驗室 博士後人員
Post-doctoral appointee, Argonne National Laboratory, USA

[學會/榮譽 Affiliation]

- 美國物理學會 American Physical Society (APS)

[著 作 Publications]

1. " Studies of charge exchange in symmetric ion-ion collisions " C. Y. Chen, C. L. Cocke, J. P. Giese, F. Melchert, I. Reiser, M. Stockli, E. Sidky and C. D. Lin.
J. of Phys. B: At. Mol. and Opt. **34** , No.3, P.469-475 (2001).
2. "A beam of metastable Krypton atoms extracted from an RF-driven discharge"
C. Y. Chen, K. Bailey, X. Du, Y. M. Li, Z. -T. Lu, T. P. O'Connor, L. Young, G. Winkler.
R ev. Sci. Instru. **72**, 271 (2001).
3. "Atom Trap Trace Analysis"
Zheng-Tian Lu, Kevin Bailey, Chun-Yen Chen, Xu Du, Yi-Min Li, Thomas P. O'Connor, Linda Young. . Atomic Physics 17, edited by E. Arimondo, P. D. Natale, and M. Inguscio, AIP Conf. Proc. **551**, p.367 (2001).
4. "ATTA -- a new method of ultrasensitive isotope trace analysis"
K. Bailey, C. Y. Chen, Xu Du, Y. M. Li, Z. -T. Lu, T. P. O'Connor, L. Young.
Nucl. Instr. and Meth. B **172**, 224 (2000).

5. " Atom trap trace analysis".
K. Bailey, C. Y. Chen, Xu Du, Y. M. Li, Z. -T. Lu, T. P. O'Connor, L. Young
Hyperfine Interact **127**: (1-4), 515 (2000).
6. " Ultrasensitive Isotope Trace Analyses with a Magneto-Optical Trap"
C. Y. Chen, Y. M. Li, K. Bailey, T. P. O'Connor, L. Young, and Z. -T. Lu. *Science* **286**, 1139-1141 (1999).
7. "Electron-electron interaction in the ionization of O⁷⁺ by He"
W. Wu, K. L. Wong, E. C. Montenegro, R. Ali, C. Y. Chen, C. L. Cocke, R. Dorner, V. Frohne, J. P. Giese, V. Mergel, W. E. Meyerhof, M. Raphaelian, H. Schmidt-Bocking, and B. Walch. *Phys. Rev.* **A55**, 2771 (1996).
8. "Experimental separation of electron-electron and electron-nuclear contributions to ionization of fast Hydrogenlike ions colliding with He"
W. Wu, K. L. Wong, R. Ali, C. Y. Chen, C. L. Cocke, V. Frohne, J. P. Giese, M. Raphaelian, B. Walch, R. Dorner, V. Mergel, H. Schmidt-Bocking, and W. E. Meyerhof. *Phys. Rev. Lett.* **72**, 3170 (1994).
9. " Development of ion-ion collisions at KSU"
J.P. Giese, C.Y. Chen, A. Landers, M. Stockli, P. Richard, and C. Miller.
AIP Conf. Pro. No. **274**, p.497 (1992), edited by P. Richard, M. Stockli, C. L. Cocke, and C. D. Lin.