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### [ Education ]

- 1979 : Dept. Geology, Nat'l Taiwan Univ., B.S.
- 1983 : Inst. Oceanography, Nat'l Taiwan Univ., M.S.
- 1988 : Dept. Geological Sciences, Brown Univ., Ph.D.

### [ Experiences ]

- 2000/08 - 2004/7 : Deputy Director, Inst. Earth Sciences, Academia Sinica
- 1997/10 - : Research Fellow, Inst. Earth Sciences, Academia Sinica
- 1989/10 - 1997/10 : Associate Research Fellow, Inst. Earth Sciences, Academia Sinica
- 1988/01 - 1989/08 : Postdoctoral, Dept. Geological Sciences, Brown Univ.
- 1983/09 - 1987/12 : Research Assistant, Dept. Geological Sciences, Brown Univ.
- 1982/09 - 1983/08 : Assistant, Inst. Earth Sciences, Academia Sinica

### [ Honors ]

- 1994 : Nat'l Science Council, Outstanding Research Award
- 1997 : Nat'l Science Council, Outstanding Research Award

### [ Publication ]

1. Kuo, B. Y., D. W. Forsyth, and E. M. Parmentier (1986), Flexure and thickening of the lithosphere at the East Pacific Rise, *Geophys. Res. Lett.*, *13*, 681-684.
2. Kuo, B. Y., D. W. Forsyth, and M. Wysession (1987), Lateral heterogeneity and azimuthal anisotropy of the North Atlantic upper mantle determined from SS-S differential travel times, *J. Geophys. Res.*, *92*, 6421-6436.
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7. Kuo, B. Y., S. H. Hung, and L. Y. Chiao (1995), A 3-D dynamic model for the anomalous topography and geoid over the Southeast Indian Ridge, *Geophys. J. Int.*, *121*, 1-20.
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11. Kuo, B. Y. (1999), Amplitude of *Sd* across Asia: Effects of velocity gradient and *Qs* in the *D''* layer and asphericity of the mantle, *Earth Planet. Sci. Lett.*, *173*, 101-112.
12. Kuo, B. Y., E. Garnero, and T. Lay (2000), Tomographic inversion for shear velocity heterogeneity in *D''* from *S-SKS* times: Degree 12 and hybrid models, *J. Geophys. Res.*, *105*, 28,139-28,157. ([PDF](#))
13. Chiao, L. Y. and B. Y. Kuo (2001), Multiscale seismic tomography, *Geophys. J. Int.*, *145*, 517-527. ([PDF](#))
14. Lin, S. C., L. Y. Chiao, and B. Y. Kuo (2002), Dynamic interaction of cold anomalies with the mid-ocean ridge flow and its implications for the Australian-Antarctic Discordance, *Earth Planet. Sci. Lett.*, *203*, 925-935.
15. Kuo, B. Y. and C. W. Chen (2005), A seismological determination of the temperature gradient in *D''* beneath the western Pacific, *J. Geophys. Res.*, *110*, B05304, doi:10.1029/2004JB003291. ([PDF](#))
16. Lin, S. C., B. Y. Kuo, L. Y. Chiao, and P. van Keken (2005), Thermal plume models and melt generation in east Africa: A dynamic modeling approach, *Earth and Planet. Sci. Lett.*, *237*, 175-192, doi:10.1016/j.epsl.2005.04.049.
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