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研究領域：地震學、地球物理學、地球科學
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〔 學 歷 Education 〕

- 1980：臺灣師範大學物理系 學士
B.S. : Dept. Physics, Nat'l Taiwan Normal Univ., 1980
- 1983：中央大學地球物理研究所 碩士
M.S. : Inst. Geophysics, Nat'l Central Univ., 1983
- 1989：中央大學地球物理研究所 博士
Ph.D. : Inst. Geophysics, Nat'l Central Univ., 1989

〔 經 歷 Experiences 〕

- 1980/09 - 1981/08：臺北市立格致國中 教師
- 1987/07 - 1989/07：中央研究院 地球科學研究所 助理研究員
Assistant Research Fellow : Inst. Earth Sciences, Academia Sinica
- 1989/08 - 1997/03：中央研究院 地球科學研究所 副研究員
Associate Research Fellow : Inst. Earth Sciences, Academia Sinica
- 1997/03 - 2018/07/25：中央研究院 地球科學研究所 研究員
Research Fellow : Inst. Earth Sciences, Academia Sinica
- 2004/08 - 2008/08：中央研究院 地球科學研究所 副所長
Deputy Director : Inst. Earth Sciences, Academia Sinica
- 2018/07/26 - 迄今：中央研究院 地球科學研究所 特聘研究員
Distinguished Research Fellow : Inst. Earth Sciences, Academia Sinica

〔 學會/榮譽 Affiliation / Award 〕

- 中華民國地質學會 Geological Society Located in Taipei
- 中華民國地球物理學會 Chinese Taipei Geophysical Society
- 美國地震學會 Seismologic Society of America, SSA
- 美國地球物理聯盟 American Geophysical Union, AGU
- 2015/10/23：教育部第 59 屆學術獎
- 2019/05/16：中華民國地球物理學會傑出貢獻獎

〔 著 作 Publication 〕

SCI articles:

1. Huang, B. S. and Y. T. Yeh, 1992. Source geometry and slip distribution of the April 21, 1935 Hsinchu-Taichung, Taiwan Earthquake, Tectonophysics, 210, 77-90.
2. Huang, B. S., 1992. A program for two dimensional seismic wave propagation by the pseudo-spectrum method, Computers and Geosciences, 18, 2/3, 289-307.

3. Huang, B. S., T. L. Teng and Y. T. Yeh, 1995, Numerical modeling of acoustic fault-zone trapped waves, *Bull. Seism. Soc. Am.*, 85, 1711-1717.
4. Huang, B. S., 1996, Investigation of the inner-outer core boundary structure from the seismograms of a deep earthquake recorded by a regional seismic array, *Geophys. Res. Lett.*, 23, 209-212.
5. Huang, B. S., 1996, A Fortran 77 Program to compute seismic rays travelling inside a radially inhomogeneous earth, *Computers and Geosciences*, 22, 287-303.
6. Huang, B. S., T. L. Teng, C. C. Liu and T. C. Shin, 1996, Excitation of short-period surface waves in Taiwan by the Hyogo-ken Nanbu earthquake of January 17, 1995, *J. Phys. Earth*, 44, 419-427.
7. Huang, B. S. and Y. T. Yeh, 1997, The fault ruptures of the 1976 Tangshan earthquake sequence inferred from coseismic crustal deformation, *Bull. Seism. Soc. Am.*, 87, 1046-1057.
8. Huang, B. S. and Y. T. Yeh, 1997, Effect of near fault terrain upon dislocation modeling, *PAGEOPH*, 150, 1-18.
9. Brudzinski, M. R., W. P. Chen, R. L. Nowack and B. S. Huang, 1997, Variation of P-wave speeds in the mantle transition zone beneath the Northern Philippine Sea, *J. Geophys. Res.*, 102, 11815-11827.
10. Lin, C. H., Y. H. Yeh, H. Y. Yen, K. C. Chen, B. S. Huang, S. W. Roecker and J. M. Chiu, 1998, Three-dimensional elastic wave velocity structure of the Hualian region of Taiwan: Evidence of active crustal exhumation, *Tectonics*, 17, 89-103.
11. Kao, H., P. R. Jian, K. F. Ma, B. S. Huang and C. C. Liu, 1998, Moment-tensor inversion for offshore earthquakes east of Taiwan and their implications to regional collision, *Geophys. Res. Lett.*, 25, 3619-3622.
12. Nowack, R. L., E. Ay, W. P. Chen, B. S. Huang, 1999, A seismic profile of the upper mantle along the southwestern edge of the Philippine Sea plate using short-period array data, *Geophys. J. Int.*, 136, 171-179.
13. Lin, C. H., B. S. Huang and R. J. Rau, 1999, Seismological evidence for a low-velocity layer within the subducted slab of southern Taiwan, *Earth Planet. Sci. Lett.*, 174, 231-240.
14. Rau, R. J., W. J. Liang, H. Kao and B. S. Huang, 2000, Shear wave anisotropy beneath the Taiwan orogen, *Earth Planet. Sci. Lett.*, 177, 177-192.
15. Huang, B. S., K. C. Chen, W. G. Huang, J. H. Wang, T. M. Chang, R. D. Hwang, H. C. Chiu and C. C. P. Tsai, 2000, Characteristics of strong ground motion across a thrust fault tip from the September 21, 1999, Chi-Chi, Taiwan earthquake, *Geophys. Res. Lett.*, 27, 2729-2732.
16. Huang, B. S., 2000, Two-dimensional reconstruction of the surface ground motions of an earthquake: the September 21, 1999, Chi-Chi, Taiwan Earthquake, *Geophys. Res. Lett.*, 27, 3025-3028.
17. Novikova, T., K. L. Wen and B. S. Huang, 2000, Amplification of gravity and Rayleigh waves in a layered water-soil model, *Earth Planets Space*, 52, 579-586.
18. Tseng, T. L., B. S. Huang, B. H. Chin, 2001, Depth-dependent attenuation in the uppermost inner core from the Taiwan short period seismic array PKP data, *Geophys. Res. Lett.*, 28, 459-462.

19. Huang, B. S., 2001, Evidence for azimuthal and temporal variations of the rupture propagation of the 1999 Chi-Chi, Taiwan Earthquake from dense seismic array observations, *Geophys. Res. Lett.*, 28, 3377-3380.
20. Chen, K. C., B. S. Huang, W. G. Huang, J. H. Wang, T. M. Chang, R. D. Huang, H. C. Chiu, and C. C. Tsai, 2001, An observation of rupture pulses of the September 20, 1999, Chi-Chi, Taiwan, earthquake from near-field seismograms, *Bull. Seism. Soc. Am.*, 91, 1247-1254.
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27. Chen, K. C. B. S. Huang, J. H. Wang and H. Y. Yen, 2002, Conjugate thrust faulting associated with the 1999 Chi-Chi, Taiwan, earthquake sequence, *Geophys. Res. Lett.*, vol. 29, no. 8, 10.1029/2001GL014250.
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29. Huang, B. S., 2003, Ground rotational motions of the 1999 Chi-Chi, Taiwan Earthquake as inferred from dense array observations, *Geophys. Res. Lett.*, vol. 30, no. 6, 1307, 10.1029/2002GL015157.
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50. Huang, B.S., W. G. Huang, Y. L. Huang, L. C. Kuo, K. C. Chen and J. Angelier, 2009, Complex fault rupture during the 2003 Chengkung, Taiwan earthquake sequence from dense seismic array and GPS observations, Tectonophysics, 466, 184-204, doi:10.1016/j.tecto.2007.11.025.
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57. Liu, P. L.-F. and B.S. Huang, 2009, Preface for the special issue-Tsunami in Asia, J. Asian Earth Sci., 36, 1, doi:10.1016/j.jseaes.2009.05.001.
58. Huang, B.S., T. S. Le, C. C. Liu, D. V. Toan, W. G. Huang, Y. M. Wu, Y. G. Chen and W. Y. Chang, 2009, Portable broadband seismic network in Vietnam for investigating tectonic deformation, the Earth's Interior, and early-warning systems for earthquakes and tsunamis, J. Asian Earth Sci., 36, 110-118, doi: 10.1016/j.jseaes.2009.02.012.
59. Kuo-Chen, H., F. T. Wu, D. Okaya, B.S. Huang, and W. T. Liang, 2009, SKS/SKKS splitting and Taiwan orogeny, Geophys. Res. Lett., 36, L12303, doi:10.1029/2009GL038148.

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- seismic array in Taiwan, *J. Asian Earth Sci.*, 40, 762-769, doi:10.1016/j.jseaes.2010.10.020.
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