

INTRODUCTION: LEG 184 POSTCRUISE RESEARCH BIBLIOGRAPHY

This introduction to *Scientific Results* Volume 184 contains a bibliographical listing of Leg 184 postcruise research published in this volume and in journals, books, and special publications. The 22 papers published in this *Proceedings of the Ocean Drilling Program* volume document the paleoceanographic and tectonic history of the South China Sea based on paleontologic, biostratigraphic, geochemical, mineralogical, rock magnetic, magnetostratigraphic, sedimentological, and basin analytical studies. These and additional studies, such as those on tephrochronology and terrestrial ecosystems, either entirely or partly based on Leg 184 core samples, also resulted in 26 papers that were published in three special volumes dedicated to the marine micropaleontology and paleoceanography of the South China Sea, the Asian monsoons, and continent-ocean interactions in the East Asian marginal seas. An additional 54 papers were published in about 20 different scientific journals. In addition to the research papers documented in the following list, a continually updated bibliography of Leg 184-related citations is available online on the Ocean Drilling Program Web site (see “Leg-Related Citations” at www-odp.tamu.edu/publications/184_SR/184TOC.HTM).

SCIENTIFIC RESULTS CITATIONS

- Arnold, E., 2004. Data report: Late Miocene–Pleistocene mineralogy, Site 1146. *In* Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens, S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/203/203.htm> [Cited YYYY-MM-DD].
- Boulay, S., Colin, C., Trentesaux, A., Pluquet, F., Bertaux, J., Blamart, D., Buehring, C., and Wang, P., 2003. Mineralogy and sedimentology of Pleistocene sediment in the South China Sea (ODP Site 1144). *In* Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens,

- S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/211/211.htm> [Cited YYYY-MM-DD].
- Bühring, C., Sarnthein, M., and Erlenkeuser, H., 2004. Toward a high-resolution stable isotope stratigraphy of the last 1.1 m.y.: Site 1144, South China Sea. *In* Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens, S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/205/205.htm> [Cited YYYY-MM-DD].
- Cheng, X., Tian, J., and Wang, P., 2004. Data report: Stable isotopes from Site 1143. *In* Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens, S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/221/221.htm> [Cited YYYY-MM-DD].
- Cheng, X., Zhao, Q., Wang, J., Jian, Z., Xia, P., Huang, B., Fang, D., Xu, J., Zhou, Z., and Wang, P., 2004. Data report: Stable isotopes from Sites 1147 and 1148. *In* Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens, S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/223/223.htm> [Cited YYYY-MM-DD].
- Clemens, S.C., and Prell, W.L., 2003. Data report: Oxygen and carbon isotopes from Site 1146, northern South China Sea. *In* Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens, S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/214/214.htm> [Cited YYYY-MM-DD].
- Leventhal, J.S., 2004. Isotopic chemistry of organic carbon in sediments from Leg 184. *In* Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens, S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/215/215.htm> [Cited YYYY-MM-DD].
- Li, Q., Jian, Z., and Li, B., 2004. Oligocene–Miocene planktonic foraminifer biostratigraphy, Site 1148, northern South China Sea. *In* Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens, S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/220/220.htm> [Cited YYYY-MM-DD].
- Lu, J., Chen, M., Wang, R., and Pushkar, V.S., 2004. Data report: Diatom records of ODP Site 1143 in the southern South China Sea. *In* Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens, S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/212/212.htm> [Cited YYYY-MM-DD].
- Mao, S., Wu, G., and Li, J., 2004. Oligocene–early Miocene dinoflagellate stratigraphy, Site 11448, ODP Leg 184, South China Sea. *In* Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens, S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/216/216.htm> [Cited YYYY-MM-DD].
- Mercer, J.L., and Zhao, M., 2004. Alkenone stratigraphy of the northern South China Sea for the last 35 m.y., Sites 1147 and 1148, ODP

- Leg 184. In Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens, S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/208/208.htm> [Cited YYYY-MM-DD].
- Nathan, S.A., and Leckie, R.M., 2003. Miocene planktonic foraminiferal biostratigraphy of Sites 1143 and 1146, ODP Leg 184, South China Sea. In Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens, S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/219/219.htm> [Cited YYYY-MM-DD].
- Peng, P., Yu, C., Jia, G., Hu, J., Song, J., and Zhang, G., 2004. Data report: Marine and terrigenous lipids in the sediments from the South China Sea, Site 1148, Leg 184. In Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens, S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/209/209.htm> [Cited YYYY-MM-DD].
- Solheid, P.A., Laj, C., and Banerjee, S.K., 2003. Data report: Mineral magnetic properties of sediments from Site 1144, northern South China Sea. In Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens, S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/204/204.htm> [Cited YYYY-MM-DD].
- Su, X., Xu, Y., and Tu, Q., 2004. Early Oligocene–Pleistocene calcareous nannofossil biostratigraphy of the northern South China Sea (Leg 184, Sites 1146–1148). In Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens, S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/224/224.htm> [Cited YYYY-MM-DD].
- Tamburini, F., Adatte, T., and Föllmi, K.B., 2003. Origin and nature of green clay layers, ODP Leg 184, South China Sea. In Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens, S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/206/206.htm> [Cited YYYY-MM-DD].
- Trentesaux, A., Liu, Z., Colin, C., Boulay, S., and Wang, P., 2003. Data report: Pleistocene paleoclimatic cyclicity of southern China: clay mineral evidence recorded in the South China Sea (ODP Site 1146). In Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens, S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/210/210.htm> [Cited YYYY-MM-DD].
- Wang, R., Li, J., and Li, B., 2004. Data report: Late Miocene–Quaternary biogenic opal accumulation at ODP Site 1143, southern South China Sea. In Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens, S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/217/217.htm> [Cited YYYY-MM-DD].
- Wang, L.-W., and Lin, H.-L., 2004. Data report: Carbonate and organic carbon contents of sediments from Sites 1143 and 1146 in the South China Sea. In Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens, S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available

from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/207/207.htm> [Cited YYYY-MM-DD].

Wehausen, R., Tian, J., Brumsack, H.-J., Cheng, X., and Wang, P., 2003. Geochemistry of Pliocene sediments from ODP Site 1143 (southern South China Sea). In Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens, S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/201/201.htm> [Cited YYYY-MM-DD].

Zheng, F., Li, Q., Tu, X., Chen, T., Li, B., and Jian, Z., in press. Abundance variations of planktonic foraminifers during mid-Pleistocene climate transition at ODP Site 1144, northern South China Sea. In Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens, S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/222/222.htm> [Cited YYYY-MM-DD].

Zhu, Y., Huang, Y., Matsumoto, R., and Wu, B., 2003. Geochemical and stable isotopic compositions of pore fluids and authigenic siderite concretions from Site 1146, ODP Leg 184: implications for gas hydrate. In Prell, W.L., Wang, P., Blum, P., Rea, D.K., and Clemens, S.C. (Eds.), *Proc. ODP, Sci. Results*, 184 [Online]. Available from World Wide Web: <http://www-odp.tamu.edu/publications/184_SR/202/202.htm> [Cited YYYY-MM-DD].

JOURNAL AND BOOK CITATIONS

Buehring, C., Sarnthein, M., and Leg 184 Shipboard Scientific Party, 2000. Toba ash layers in the South China Sea: evidence of contrasting wind directions during eruption ca. 74 ka. *Geology*, 28:275–278.

Chen, M., Wang, R., Yang, L., Han, J., and Lu, J., 2003. Development of east Asian summer monsoon environments in the late Miocene: radiolarian evidence from Site 1143 of ODP Leg 184. In Clemens, S.C., Wang, P., and Prell, W.L. (Eds.), *Asian Monsoons and Global Linkages on Milankovitch and Sub-Milankovitch Time Scales*, Mar. Geol., 201:169–177.

Clift, P.D., Layne, G.D., and Blusztajn, J., 2004. Marine sedimentary evidence for monsoon strengthening, Tibetan uplift and drainage evolution in East Asia. In Clift, P.D., Wang, P., Hayes, D., and Kuhnt, W. (Eds.), *Continent-Ocean Interactions in the East Asian Marginal Seas*. Am. Geophys. Union, Geophys. Monogr., 149.

Clift, P., Lee, J.I., Clark, M.K., and Blusztajn, J., 2002. Erosional response of South China to arc rifting and monsoonal strengthening recorded in the South China Sea. *Mar. Geol.*, 184:207–226.

Clift, P., and Lin, J., 2001. Preferential mantle lithospheric extension under the South China margin. *Mar. Pet. Geol.*, 18:929–945.

Clift, P., Lin, J., and Barckhausen, U., 2002. Evidence of low flexural rigidity and low viscosity lower continental crust during continental break-up in the South China Sea. *Mar. Pet. Geol.*, 19:951–970.

Clift, P.D., Lin, J., and ODP Leg 184 Scientific Party, 2001. Patterns of extension and magmatism along the continent-ocean boundary, South China margin. In Wilson, R.C.L., Beslier M.-O., Whitmarsh,

- R.B., Froitzheim, N., and Taylor, B. (Eds.), *Non-volcanic Rifting of Continental Margins: A Comparison of Evidence from Land and Sea*, Spec. Publ.—Geol. Soc. London, 187:489–510.
- Fang, N.-Q., Ding, X., Liu, Y.-Q., Hu, C.-Y., Chen, X.-F., and Zhang, Z.-F., 2002. Pelagic sedimentary records of the Ninetyeast Ridge and the late Cenozoic important tectono-environmental events. *Dixue Qianyan* [Earth Sci. Front.], 9:103–111.
- Holbourn, A., Kuhnt, W., and Schulz, M., 2004. Orbitally paced climate variability during the middle Miocene: high resolution benthic stable-isotope records from the tropical western Pacific. In Clift, P.D., Wang, P., Hayes, D., and Kuhnt, W. (Eds.), *Continent-Ocean Interactions in the East Asian Marginal Seas*. Am. Geophys. Union, Geophys. Monogr., 149.
- Huang, B., Cheng, X., Jian, Z., and Wang, P., 2003. Response of upper ocean structure to the initiation of the North Hemisphere glaciation in the South China Sea. *Palaeogeogr., Palaeoclimatol., Palaeoecol.*, 196:305–318.
- Jia, G., Peng, P., Zhao, Q., and Jian, Z., 2003. Changes in terrestrial ecosystem since 30 Ma in East Asia; stable isotope evidence from black carbon in the South China Sea. *Geology*, 31(12):1093–1096.
- Jian, Z., Yu, Y., Li, B., Wang, J., Zhang, X., and Zhou, Z., in press. Phased evolution of the south-north hydrographic gradient in the South China Sea since the middle Miocene. *Palaeogeogr., Palaeoclimatol., Palaeoecol.*
- Jian, Z., Zhao, Q., Cheng, X., Wang, J., Wang, P., and Su, X., 2003. Pliocene–Pleistocene stable isotope and paleoceanographic changes in the northern South China Sea. *Palaeogeogr., Palaeoclimatol., Palaeoecol.*, 193:425–442.
- Kienast, M., Higginson, M.J., Mollenhauer, G., Eglinton, T.I., Chen, M.-T., and Calvert, S.E., 2005. On the sedimentological origin of down-core variations of bulk sedimentary nitrogen isotope ratios. *Paleoceanography*, 20. doi:10.1029/2004PA001081
- Kuhnt, W., Holbourn, A., Hall, R., Zuvela, M., and Käse, R., 2004. Neogene history of the Indonesian throughflow. In Clift, P.D., Wang, P., Hayes, D., and Kuhnt, W. (Eds.), *Continent-Ocean Interactions in the East Asian Marginal Seas*. Am. Geophys. Union, Geophys. Monogr., 149.
- Kuhnt, W., Holbourn, A., and Zhao, Q., 2002. The early history of the South China Sea: evolution of Oligocene–Miocene deep water environments. *Rev. Micropaleontol.*, 45:99–159.
- Lee, M.-Y., Chen, C.-H., Wei, K.-Y., Iizuka, Y., and Carey, S., 2004. First Toba supereruption revival. *Geology*, 32:61–64.
- Li, B., Jian, Z., Li, Q., Tian, J., and Wang, P., submitted. Oceanography of the South China Sea since the middle Miocene: evidence from planktonic foraminifera. *Mar. Micropalaeontol.*
- Li, B., Wang, J., Huang, B., Li, Q., Jian, Z., Zhao, Q., Su, X., and Wang, P., 2004. South China Sea surface water evolution over the last 12 Myr: a south-north comparison from Ocean Drilling Program Sites 1143 and 1146. *Paleoceanography*, 19. doi:10.1029/2003PA000906

- Li, J., Wang, R., and Li, B., 2002. Variations of opal accumulation rates and paleoproductivity over the past 12 Ma at ODP Site 1143, southern South China Sea. *Chinese Sci. Bull.*, 47(7):596–598.
- Li, X.-H., Wei, G., Shao, L., Liu, Y., Liang, X., Jian, Z., Sun, M., and Wang, P., 2003. Geochemical and Nd isotopic variations in sediments of the South China Sea: a response to Cenozoic tectonism in SE Asia. *Earth Planet. Sci. Lett.*, 211:207–220.
- Liu, C., Cheng, X., Zhu, Y., Tian, J., and Xia, P., 2002. Oxygen and carbon isotopic records of calcareous nannofossils for the past 1 Ma in the southern South China Sea. *Chinese Sci. Bull.*, 47(10):798–803.
- Liu, Z., Trentesaux, A., Clemens, S.C., and Wang, P., 2003. Quaternary clay mineralogy in the northern South China Sea (ODP Site 1146): implications for oceanic current transport and east Asian monsoon evolution. *Sci. China*, 46(12):1223–1235.
- Liu, Z., Xu, J., Tian, J., and Wang, P., 2003. Calcium carbonate pump during Quaternary glacial cycles in the South China Sea. *Chinese Sci. Bull.*, 48(17):1862–1869.
- Luedmann, T., Wong, H.K., and Wang, P., 2001. Plio–Quaternary sedimentation processes and neotectonics of the northern continental margin of the South China Sea. *Marine Geol.*, 172:331–358.
- McIntyre, K., and Oppo, D.W., submitted. Suborbital scale climate change: insights from a $\delta^{18}\text{O}$ record from the northern South China Sea. *Paleoceanography*.
- Oppo, D.W., and Youbin, S., submitted. Amplitude and timing of sea surface temperature change in the northern South China Sea: dynamic link to the east Asian monsoon. *Geology*.
- Sun, X., Luo, Y., and Chen, H., 2003. Deep-sea pollen research in China. *Chinese Sci. Bull.*, 48(20):2155–2164.
- Tian, J., Wang, P., and Cheng, X., 2004. Development of the east Asian monsoon and Northern Hemisphere glaciation: oxygen isotope records from the South China Sea. *Quat. Sci. Rev.*, 23:2007–2016.
- Tian, J., Wang, P., and Cheng, X., 2004. Pleistocene precession forcing of the upper ocean structure variations in the southern South China Sea. *Prog. Nat. Sci.*, 14(11):1004–1009.
- Tian, J., Wang, P., and Cheng, X., 2004. Responses of foraminiferal isotopic variations at ODP Site 1143 in the southern South China Sea to orbital forcing. *Sci. China*, 47(10):943–953.
- Tian, J., Wang, P., and Cheng, X., 2004. Time-frequency variations of the Plio–Pleistocene foraminiferal isotopes: a case study from the southern South China Sea. *Earth Sci.-J. China Univ. Geosci.*, 15(3):283–289.
- Tian, J., Wang, P., Cheng, X., and Li, Q., 2002. Astronomically tuned Plio–Pleistocene benthic $\delta^{18}\text{O}$ record from South China Sea and Atlantic–Pacific comparison. *Earth Planet. Sci. Lett.*, 203:1015–1029.
- Tian, J., Wang, P., Cheng, X., Wang, R., and Sun, X., 2005. Forcing mechanism of the Pleistocene east Asian monsoon variations in a phase perspective. *Sci. China*, 48(10):1708–1717.

- Tian, J., Wang, P.X., Cheng, R.H., and Cheng, X.R., 2005. Quaternary upper ocean thermal gradient variations in the South China Sea: implications for east Asian monsoon climate. *Paleoceanography*, 20. doi:10.1029/2004PA001115
- Wang, P., 2004. Cenozoic deformation and the history of sea-land interactions in Asia. In Clift, P.D., Wang, P., Hayes, D., and Kuhnt, W. (Eds.), *Continent-Ocean Interactions in the East Asian Marginal Seas*. Am. Geophys. Union, Geophys. Monogr., 149.
- Wang, P., Prell, W., Blum, P., and the Leg 184 Shipboard Scientific Party, 1999. Exploring the Asian monsoon through drilling in the South China Sea. *JOIDES J.*, 25(2):8–13.
- Wang, P., Clemens, S., Huang, B., and Chen, M., submitted. Paleooceanographic implications of radiolarians in the last 1.0 Ma from the northern South China Sea. *Palaeogeogr., Palaeoclimatol., Palaeoecol.*
- Wang, P., Jian, Z., Zhao, Q., Li, Q., Wang, R., Liu, Z., Wu, G., Shao, L., Wang, J., Huang, B., Fang, D., Tian, J., Li, J., Li, X., Wei, G., Sun, X., Luo, Y., Su, X., Mao, S., and Chen, M., 2003. Evolution of the South China Sea and monsoon history revealed in deep-sea records. *Chinese Sci. Bull.*, 48(23):2549–2561.
- Wang, P., Tian, J., Cheng, X., Liu, C., and Xu, J., 2003. Carbon reservoir changes preceded major ice-sheet expansion at the mid-Brunhes event. *Geology*, 31:239–242.
- Wang, P., Tian, J., Cheng, X., Liu, C., and Xu, J., 2003. Exploring cyclic changes of the ocean carbon reservoir. *Chinese Sci. Bull.*, 48(23):2536–2548.
- Wang, P., Tian, J., Cheng, X., Liu, C., and Xu, J., 2004. Major Pleistocene stages in a carbon perspective: the South China Sea record and its global comparison. *Paleoceanography*, 19. doi:10.1029/2003PA000991
- Wang, P., Zhao, Q., Jian, Z., Cheng, X., Huang, W., Tian, J., Wang, J., Li, Q., Li, B., and Su, X., 2003. Thirty million year deep-sea records in the South China Sea. *Chinese Sci. Bull.*, 48(23):2524–2535.
- Wang, R., Clemens, S., Huang, B., and Chen, M., 2003. Quaternary paleoceanographic changes of the northern South China Sea and monsoon history revealed in deep-sea records. *Chinese Sci. Bull.*, 48(23):2549–2561.
- Wang, R., and Li, J., 2003. Quaternary high-resolution opal record and its paleoproductivity implication at ODP Site 1143, southern South China Sea. *Chinese Sci. Bull.*, 48(4):363–367.
- Wehausen, R., and Brumsack, H.-J., 2002. Astronomical forcing of the East Asian monsoon mirrored by the composition of Pliocene South China Sea sediments. *Earth Planet. Sci. Lett.*, 201:621–636.
- Wei, G., Liu, Y., Li, X., Shao, L., and Fang, D., 2004. Major and trace element variations of the sediments at ODP Site 1144, South China Sea, during the last 230 ka and their paleoclimate implications. *Palaeogeogr., Palaeoclimatol., Palaeoecol.*, 212:331–342.
- Wei, G., Shao, L., Liu, Y., Li, X., and Liang, X., submitted. Climate impact on Al, K, Sc, Ti, in marine sediments: evidence from ODP Site 1144. *Geochem. J.*

- Yang, L., Chen, M., Wang, R., and Zheng, F., 2002. Radiolarian record to paleoecological environment change events over the past 1.2 MaBP in the southern South China Sea. *Chinese Sci. Bull.*, 47(17):1478–1483.
- Zhao, Q., submitted. Late Cainozoic ostracod faunas and paleoenvironmental changes at ODP 1148, South China Sea. *Mar. Microbiol.*
- Zheng, F. Li, Q., Li, B., Chen, M., Tu, X., Tian, J., and Jian, Z., 2005. A millennial scale planktonic foraminiferal record of mid-Pleistocene climate transition in the northern South China Sea. *Palaeogeogr., Palaeoclimatol., Palaeoecol.*, 223:349–363.
- Zheng, F., Li, Q., Tu, X., Chen, M., Li, B., and Jian, Z., 2005. A millennial scale planktonic foraminiferal record of mid-Pleistocene climate transition in the northern South China Sea. *Palaeogeogr., Palaeoclimatol., Palaeoecol.*, 223:349–363.
- Zheng, H., Powell, C., Rea, D., Wang, J., and Wang, P., 2004. Late Miocene and mid-Pliocene enhancement of the East Asian Monsoon as viewed from land and sea. *Global Planet. Change*, 41:147–155.
- Zhong, G., Geng, J., Wong, H.K., Ma, Z., and Wu, N., 2004. A semi-quantitative method for the reconstruction of eustatic sea level history from seismic profiles and its application to the southern South China Sea. *Earth Planet. Sci. Lett.*, 223:443–459.

MARINE GEOLOGY SPECIAL VOLUME

- Higginson, M.J., Maxwell, J.R., and Altabet, M.A., 2003. Nitrogen isotope and chlorin paleoproductivity records from the northern South China Sea: remote vs. local forcing of millennial- and orbital-scale variability. In Clemens, S.C., Wang, P., and Prell, W.L. (Eds.), *Asian Monsoons and Global Linkages on Milankovitch and Sub-Milankovitch Time Scales*, Mar. Geol., 201:223–250.
- Liu, Z., Trentesaux, A., Clemens, S.C., Colin, C., Wang, P., Huang, B., and Boulay, S., 2003. Clay mineral assemblages in the northern South China Sea: implications for east Asian monsoon evolution over the past 2 million years. In Clemens, S.C., Wang, P., and Prell, W.L. (Eds.), *Asian Monsoons and Global Linkages on Milankovitch and Sub-Milankovitch Time Scales*, Mar. Geol., 201:133–146.
- Kissel, C., Laj, C., Clemens, S., and Solheid, P., 2003. Magnetic signature of environmental changes in the last 1.2 Myr at ODP Site 1146, South China Sea. In Clemens, S.C., Wang, P., and Prell, W.L. (Eds.), *Asian Monsoons and Global Linkages on Milankovitch and Sub-Milankovitch Time Scales*, Mar. Geol., 201:119–132.
- Sun, X., Luo, Y., Huang, F., Tian, J., and Wang, P., 2003. Deep-sea pollen from the South China Sea: Pleistocene indicators of east Asian monsoon. In Clemens, S.C., Wang, P., and Prell, W.L. (Eds.), *Asian Monsoons and Global Linkages on Milankovitch and Sub-Milankovitch Time Scales*, Mar. Geol., 201:97–118.
- Tamburini, F., Adatte, T., Föllmi, K., Bernasconi, S.M., and Steinmann, P., 2003. Investigating the history of east Asian monsoon and climate during the last glacial–interglacial period (0–140000 years): mineralogy and geochemistry of ODP Sites 1143 and 1144, South

China Sea. In Clemens, S.C., Wang, P., and Prell., W.L. (Eds.), *Asian Monsoons and Global Linkages on Milankovitch and Sub-Milankovitch Time Scales*, Mar. Geol., 201:147–168.

Wei, K.-Y., Chiu, T.-C., and Chen, Y.-G., 2003. Toward establishing a maritime proxy record of the east Asian summer monsoon for the late Quaternary. In Clemens, S.C., Wang, P., and Prell., W.L. (Eds.), *Asian Monsoons and Global Linkages on Milankovitch and Sub-Milankovitch Time Scales*, Mar. Geol., 201:67–79.

MARINE MICROPALAEONOTOLOGY SPECIAL VOLUME

Cheng, X., Huang, B., Jian, Z., Zhao, Q., Tian, J., and Li, J., 2005. Foraminiferal isotopic evidence for monsoonal activity in the South China Sea: a present-LGM comparison. In Wang, P., and Lipps, J. (Eds.), *Marine Micropaleontology of the South China Sea*, Mar. Micropaleontol., 54:125–139.

Hess, S., and Kuhnt, W., 2005. Neogene and Quaternary paleoceanographic changes in the southern South China Sea (Site 1143): the benthic foraminiferal record. In Wang, P., and Lipps, J. (Eds.), *Marine Micropaleontology of the South China Sea*, Mar. Micropaleontol., 54:63–87.

Li, B., Jian, Z., Li, Q., Tian, J., and Wang, P., 2005. Paleocyanography of the South China Sea since the middle Miocene: evidence from planktonic foraminifera. In Wang, P., and Lipps, J. (Eds.), *Marine Micropaleontology of the South China Sea*, Mar. Micropaleontol., 54:49–62.

Li, Q., Jian, Z., and Su, X., 2005. Late Oligocene rapid transformations in the South China Sea. In Wang, P., and Lipps, J. (Eds.), *Marine Micropaleontology of the South China Sea*, Mar. Micropaleontol., 54:5–25.

Luo, Y., Sun, X., and Jian, Z., 2005. Environmental change during the penultimate glacial cycle: a high-resolution pollen record from ODP Site 1144, South China Sea. In Wang, P., and Lipps, J. (Eds.), *Marine Micropaleontology of the South China Sea*, Mar. Micropaleontol., 54:107–123.

Wang, P., and Lipps, J.H., 2005. Micropaleontology of the South China Sea. In Wang, P., and Lipps, J. (Eds.), *Marine Micropaleontology of the South China Sea*, Mar. Micropaleontol., 54:1–3.

Xu, J., Wang, P., Huang, B., Li, Q., and Jian, Z., 2005. Response of planktonic foraminifera to glacial cycles: mid-Pleistocene change in the southern South China Sea. In Wang, P., and Lipps, J. (Eds.), *Marine Micropaleontology of the South China Sea*, Mar. Micropaleontol., 54:89–105.

Zhao, Q., 2005. Late Cainozoic ostracod faunas and paleoenvironmental changes at ODP Site 1148, South China Sea. In Wang, P., and Lipps, J. (Eds.), *Marine Micropaleontology of the South China Sea*, Mar. Micropaleontol., 54:27–47.

SCIENCE IN CHINA SPECIAL VOLUME

These papers were written in Chinese; the following citations are English translations.

- Jian, Z., Cheng, X., Zhao, Q., Wang, J., and Wang, P., 2001. Oxygen isotope stratigraphy and events in the northern South China Sea during the last 6 million years. *Sci. China*, D44(10): 952–960.
- Li, B., and Jian, Z., 2001. Evolution of planktonic foraminifera and the thermocline in the southern South China Sea since 12 Ma (ODP-184, Site 1143). *Sci. China*, D44(10): 889–896.
- Liang, X., Wei, G., Shao, L., Li, X., and Wang, R., 2001. Records of Toba eruptions in the South China Sea: chemical characteristics of the glass shards from 1143A. *Sci. China*, D44(10):887–878.
- Liu, C., and Cheng, X., 2001. Variations in upper ocean structure for the last 2 Ma of the Nansha area by means of calcareous nannofossils. *Sci. China*, D44(10):905–911.
- Luo, Y., Chen, H., Wu, G., and Sun, X., 2001. Records of natural fire and climate history during the last three glacial–interglacial cycles around the South China Sea—charcoal record from ODP Site 1144. *Sci. China*, D44(10):897–904.
- Shao, L., Li, X., Wei, G., Liu, Y., and Fang, D., 2001. Provenance of the high sedimentation rate drift on the northern slope of the South China Sea. *Sci. China*, D44(10):919–925.
- Sun, X., and Luo, Y., 2001. Pollen record of the last 280 ka from deep sea sediments of the northern South China Sea. *Sci. China*, D44(10):879–888.
- Tu, X., Zheng, F., Wang, J., Cai, H., Wang, P., Büchring, C., and Sarnthein, M., 2001. A sudden cooling event during the last interglacial in the northern South China Sea. *Sci. China*, D44(10):865–870.
- Wang, P., Tian, J., and Cheng, X., 2001. Transition of Quaternary glacial cyclicity in deep-sea records at Nansha, South China Sea. *Sci. China*, D44(10):926–933.
- Wang, R., Fang, D., Shao, L., Chen, M., Xia, P., and Qi, J., 2001. Oligocene biogenetic siliceous deposits on the slope of the northern South China Sea. *Sci. China*, D44(10):912–918.
- Zhao, Q., Jian, Z., Wang, J., Cheng, X., Huang, B., Zhou, Z., Fang, D., and Wang, P., 2001. Neogene oxygen isotopic stratigraphy, ODP Site 1148, northern China Sea. *Sci. China*, D44(10):934–942.
- Zhao, Q., Wang, P., Cheng, X., Wang, J., Huang, B., Xu, J., Zhou, Z., and Jian, Z., 2001. A record of Miocene carbon excursions in the South China Sea. *Sci. China*, 44(D):943–951.