

# 33 Prof. Keyu Liu



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## Education

B.A., Ocean University of China, Qingdao, China, 1984

M.A., University of Sydney, Sydney, Australia, 1989

Ph.D. The Australian National University, Canberra, Australia, 1993

## Work Experience

Australia's commonwealth scientific and industrial research institute (1993-1996, 1998-2014) ;

University of Adelaide (1996-1997) ;

James Cook University (1997-1998) ;

China petroleum exploration and development research institute (2010-2015) .

## Research Interests

Sedimentary , reservoir and reservoir geochemistry research , quantitative simulation of petroleum system

## Major Publications

Li, Q., Jiang, Z., Liu, K., Zhang, C., You, X. (2014). Factors controlling reservoir properties and hydrocarbon accumulation of lacustrine deep-water turbidites in the huimin depression, bohai bay basin, east china. *Marine & Petroleum Geology*, 57(2), 327-344.

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Guo, X., He, S., Liu, K., Shi, Z., Bachir, S. (2011). Modelling the petroleum generation and migration of the third member of the shahejie formation (es3) in the banqiao depression of bohai bay basin, eastern china. *Journal of Asian Earth Sciences*, 40(1), 287-302.

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Brierley, G. J., Liu, K., Crook, K. A. W. (1993). Sedimentology of coarse-grained alluvial fans in the markham valley, papua new guinea. *Sedimentary Geology*, 86(3-4), 297-324.

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- Liu, K., Eadington, P., Middleton, H., Fenton, S., Cable, T. (2007). Applying quantitative fluorescence techniques to investigate petroleum charge history of sedimentary basins in australia and papuan new guinea. *Journal of Petroleum Science & Engineering*, 57(s 1–2), 139-151.
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- Liu, K., Paterson, L., Wong, P., Qi, D. (2002). A sedimentological approach to upscaling. *Transport in Porous Media*, 46(2), 285-310.
- Liu, K., Crook, K. A. W., Clarke, J. H., Whitmore, G. P. (1995). Submarine features of modern open-sea fan deltas, huon peninsula, papua new guinea. *Sedimentary Geology*, 98(1–4), 63-77.
- Guo, X., Liu, K., He, S., Song, G., Wang, Y., Hao, X., et al. (2012). Petroleum generation and charge history of the northern dongying depression, bohai bay basin, china: insight from integrated fluid inclusion analysis and basin modelling. *Marine & Petroleum Geology*, 32(1), 21-35.