

# 23 Prof. Timothy Kusky



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## Work Experience

Professor, University of Science and Technology of China, 2009-present

## Research Interests

Structural geology, regional tectonic, former Cambrian crustal evolution, the evolution of orogenic belt, and new tectonic activities and geological disasters

## Services & Awards

Vice Chief Editor : Journal of Earth Science; Gondwana Research; Journal of Asian Earth Science

## Major Publications

- Li, J., Kusky, T. (2007). A late archean foreland fold and thrust belt in the north china craton: implications for early collisional tectonics. *Gondwana Research*, 12(1–2), 47-66.
- Santosh, M., Zhao, D., Kusky, T. (2010). Mantle dynamics of the paleoproterozoic north china craton: a perspective based on seismic tomography. *Journal of Geodynamics*, 49(49), 39-53.
- Kusky, T. (1988). Accretion of the archean slave province. *Geology*, 17(1), 63-67.
- Kusky, T., Li, J., Santosh, M. (2007). The paleoproterozoic north hebei orogen: north china craton's collisional suture with the columbia supercontinent. *Gondwana Research*, 12(1–2), 4-28.
- Gabr, S., Ghulam, A., & Kusky, T. (2010). Detecting areas of high-potential gold mineralization using aster data. *Ore Geology Reviews*, 38(1), 59-69.
- Gad, S., Kusky, T. (2007). Aster spectral ratioing for lithological mapping in the arabian–nubian shield, the neoproterozoic wadi kid area, sinai, egypt. *Gondwana Research*, 11(3), 326-335.
- Kusky, T., Guo, L., Xiang, S., Guo, X., Xu, X. (2011). A critical examination of evidence for a quaternary glaciation in mt. laoshan, eastern china. *Journal of Asian Earth Sciences*, 40(1), 403-416.
- Gad, S., Kusky, T. (2006). Lithological mapping in the eastern desert of egypt, the barramiya area, using landsat thematic mapper (tm). *Journal of African Earth Sciences*, 44(2), 196-202.
- Amer, R., Kusky, T., Ghulam, A. (2010). Lithological mapping in the central eastern desert of egypt using aster data. *Journal of African Earth Sciences*, 56(2–3), 75-82.
- Rao, C. V. D., Santosh, M., Purohit, R., Wang, J., Jiang, X., & Kusky, T. (2011). La-icp-ms u–pb zircon age constraints on the paleoproterozoic and neoproterozoic history of the sandmata complex in rajasthan within the nw indian plate. *Journal of Asian Earth Sciences*, 42(3), 286-305.
- Kusky, T. (2010). The late permian to triassic hongseong-odesan collision belt in south korea, and its tectonic correlation with china and japan. *International Geology Review*, July 2007(7), 636-657.
- Hou, T., Zhang, Z., Kusky, T. (2011). Gushan magnetite–apatite deposit in the ningwu basin, lower yangtze river valley, se china: hydrothermal or kiruna-type?. *Ore Geology Reviews*, 43(1), 333-346.

- Zong, K., Liu, Y., Hu, Z., Kusky, T., Wang, D., & Gao, C., et al. (2010). Melting-induced fluid flow during exhumation of gneisses of the sulu ultrahigh-pressure terrane. *Lithos*, 120(3), 490-510.
- Lytwyn, J., Casey, J., Gilbert, S., Kusky, T. (1997). Arc-like mid-ocean ridge basalt formed seaward of a trench-forearc system just prior to ridge subduction: an example from subaccreted ophiolites in southern alaska. *Journal of Geophysical Research Solid Earth*, 1021(B5), 10225-10244.
- Lao, N. B., Kusky, T., Raharimahefa, T. (2006). Disappearing lake alaoatra: monitoring catastrophic erosion, waterway silting, and land degradation hazards in madagascar using landsat imagery. *Journal of African Earth Sciences*, 44(2), 241–252.
- Cheng, S., Kusky, T. (2007). Komatiites from west shandong, north china craton: implications for plume tectonics. *Gondwana Research*, 12(1–2), 77-83.
- Qiu, X. F., Ling, W. L., Liu, X. M., Kusky, T., Berkana, W., & Zhang, Y. H., et al. (2011). Recognition of grenvillian volcanic suite in the shennongjia region and its tectonic significance for the south china craton. *Precambrian Research*, 191(3), 101-119.
- Deng, H., Kusky, T., Polat, A., Wang, L., Wang, J., & Wang, S. (2013). Geochemistry of neoproterozoic mafic volcanic rocks and late mafic dikes in the zanhuang complex, central orogenic belt, north china craton: implications for geodynamic setting. *Lithos*, 175–176(3), 193-212.
- Zhai, M., Xiao, W., Kusky, T., & Santosh, M. (2007). Tectonic evolution of china and adjacent crustal fragments. *Gondwana Research*, 12(1–2), 1-3.
- Amer, R., Kusky, T., & Mezayen, A. E. (2012). Remote sensing detection of gold related alteration zones in um rus area, central eastern desert of egypt. *Advances in Space Research*, 49(1), 121-134.
- Wang, J., Kusky, T., Polat, A., Wang, L., Deng, H., & Wang, S. (2013). A late archaic tectonic mélange in the central orogenic belt, north china craton. *Tectonophysics*, 608, 929-946.
- Huang, H., Zhang, Z., Kusky, T., Santosh, M., Zhang, S., & Zhang, D., et al. (2012). Continental vertical growth in the transitional zone between south tianshan and tarim, western xinjiang, nw china: insight from the permian halajun a1-type granitic magmatism. *Lithos*, 155(2), 49-66.
- Kargarabafghi, F., Neubauer, F., Genser, J., Faghih, A., & Kusky, T. (2012). Mesozoic to eocene ductile deformation of western central iran: from cimmerian collisional orogeny to eocene exhumation. *Tectonophysics*, 564-565(94), 83-100.
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- Kusky, T., Windley, B., Wang, L., Wang, Z., Li, X., & Zhu, P. (2015). Flat Slab Subduction, Trench Suction, and Craton Destruction: Comparison of the North China, Wyoming, and Brazilian Cratons. *EGU General Assembly Conference (Vol.17)*. EGU General Assembly Conference Abstracts.