**References**

Airaghi, L., de Sigoyer, J., Lanari, P., Guillot, S., Vidal, O., Monié, P., Sautter, B., & Tan, X. (2017). Total exhumation across the Beichuan fault in the Longmen Shan (eastern Tibetan plateau, China): Constraints from petrology and thermobarometry. *Journal of Asian Earth Sciences*, *140*(July 2016), 108–121. <https://doi.org/10.1016/j.jseaes.2017.04.003>

Ansberque, C., Godard, V., Bellier, O., De Sigoyer, J., Liu-Zeng, J., Xu, X., Ren, Z., Li, Y., Arnold, M., Aumaitre, G., Bourlès, D. L., Keddadouche, K., & A.S.T.E.R. Team. (2015). Denudation pattern across the Longriba fault system and implications for the geomorphological evolution of the eastern Tibetan margin. *Geomorphology*, *246*, 542–557. <https://doi.org/10.1016/j.geomorph.2015.07.017>

Ansberque, C., Godard, V., Olivetti, V., Bellier, O., de Sigoyer, J., Bernet, M., Stübner, K., Tan, X., Xu, X., & Ehlers, T. A. (2018). Differential Exhumation Across the Longriba Fault System: Implications for the Eastern Tibetan Plateau. *Tectonics*, *37*(2), 663–679. <https://doi.org/10.1002/2017TC004816>

Burchfiel, B. C., & Chen, Z. (2012). *Tectonics of the Southeastern Tibetan Plateau and Its Adjacent Foreland*. Geological Society of America.

Chen, S., Wilson, C. J. L., Deng, Q., Zhao, X., & Luo, Z. (1994). Active faulting and block movement associated with large earthquakes in the Min Shan and Longmen Mountains, northeastern Tibetan Plateau. *Journal of Geophysical Research*, *99*(B12). <https://doi.org/10.1029/94jb02132>

Chen, Z., Jia, D., Zhang, Q., Wei, G., Li, B., Wei, D., & Shen, Y. (2005). Balanced Cross-section Analysis of the Fold-Thrust Belt of the Longmen Mountains (龙门山前陆褶皱冲断带的平衡剖面分析). *Acta Geologica Sinica*, *79*(1), 38–45.

Cook, K. L., Royden, L. H., Burchfiel, B. C., Lee, Y., & Tan, X. (2013). Constraints on cenozoic tectonics in the southwestern longmen shan from low-temperature thermochronology. *Lithosphere*, *5*(4), 393–406. <https://doi.org/10.1130/L263.1>

Druschke, P. A., Hanson, A. D., Yan, Q., Wang, Z., & Wang, T. (2006). Stratigraphic and U-Pb SHRIMP detrital zircon evidence for a Neoproterozoic continental arc, central China: Rodinia implications. *Journal of Geology*, *114*(5), 627–636. <https://doi.org/10.1086/506162>

Fan, X., Scaringi, G., Xu, Q., Zhan, W., Dai, L., Li, Y., Pei, X., Yang, Q., & Huang, R. (2018). Coseismic landslides triggered by the 8th August 2017 M s 7.0 Jiuzhaigou earthquake (Sichuan, China): Factors controlling their spatial distribution and implications for the seismogenic blind fault identification. *Landslides*, *15*(5), 967–983. <https://doi.org/10.1007/s10346-018-0960-x>

Jia, D., Li, Y., Yan, B., Li, Z., Wang, M., Chen, Z., & Zhang, Y. (2020). The Cenozoic thrusting sequence of the Longmen Shan fold-and-thrust belt, eastern margin of the Tibetan plateau: Insights from low-temperature thermochronology. *Journal of Asian Earth Sciences*, *198*(April), 104381. <https://doi.org/10.1016/j.jseaes.2020.104381>

Jia, D., Wei, G., Chen, Z., Li, B., Zeng, Q., & Yang, G. (2006). Longmen Shan fold-thrust belt and its relation to the western Sichuan Basin in central China: New insights from hydrocarbon exploration. *American Association of Petroleum Geologists Bulletin*, *90*(9), 1425–1447. <https://doi.org/10.1306/03230605076>

Jin, W., Tang, L., Yang, K., Wan, G., & Lü, Z. (2010). Segmentation of the Longmen Mountains thrust belt, Western Sichuan Foreland Basin, SW China. *Tectonophysics*, *485*(1–4), 107–121. <https://doi.org/10.1016/j.tecto.2009.12.007>

Kirby, E., Whipple, K. X., Burchfiel, B. C., Tang, W., Berger, G., Sun, Z., & Chen, Z. (2000). Neotectonics of the Min Shan, China: Implications for mechanisms driving Quaternary deformation along the eastern margin of the Tibetan Plateau. *GSA Bulletin*, *112*(3), 375–393. [https://doi.org/10.1130/0016-7606(2000)112<375](https://doi.org/10.1130/0016-7606(2000)112%3c375)

Li, F., Liu, H., Jia, Q., Xu, X., Zhang, X., & Gong, F. (2018). Holocene active characteristics of the Northern segment of the Minjiang fault in the eastern margin of the Tibetan Plateau (青藏高原东缘岷江断裂北段全新世活动特征). *Seismology and Geology*, *40*(1), 97–106. <https://doi.org/10.3969/j.issn.0253-4967.2018.01.008>

Li, Y., Huang, C., Shujian, Y., & Wu, C. (2017). Study on seismic fault and source rupture tectonic dynamic mechanism of Jiuzhaigou M S 7.0 earthquake (九寨沟7.0级地震的地震断裂及震源破裂的构造动力学机理研究). *Journal of Engineering Geology*, *25*(4), 1141–1150. <https://doi.org/10.13544/j.cnki.jeg.2017.04.029>

Li, Z., Han, Q., Lu, J., Long, W., Ding, X., & Huang, J. (2018). Study on the structural characteristics and seismogenic faults around the earthquake-stricken area of the Jiuzhaigou earthquake, China (九寨沟地震发震区周边构造特征及发震断裂). *Journal of Chengdu University of Technology*, *45*(6), 649–658.

Li, Z., Jia, D., Chen, W., Yin, H., Shen, L., Sun, C., Zhang, Y., Li, Y., Li, S., Zhou, X., Li, H., Jian, G., Zhang, M., & Cui, J. (2014). Late Cenozoic east-west crustal shortening in southern Longmen Shan, eastern Tibet: Implications for regional stress field changes. *Tectonophysics*, *623*, 169–186. <https://doi.org/10.1016/j.tecto.2014.03.033>

Li, Z., Zhang, P., Zheng, W., Jia, D., Hubbard, J., Almeida, R., Sun, C., Shi, X., & Li, T. (2018). Oblique Thrusting and Strain Partitioning in the Longmen Shan Fold-and-Thrust Belt, Eastern Tibetan Plateau. *Journal of Geophysical Research: Solid Earth*, *123*(5), 4431–4453. <https://doi.org/10.1029/2018JB015529>

Liu, H., Li, F., Zhang, X., Jia, Q., & Gong, F. (2018). Late Quaternary Activity of Huya Fault on the Eastern Margin of the Tibetan Plateau (青藏高原东缘虎牙断裂晚第四纪活动特征). *Journal of Seismological Research*, *41*(4), 594–604.

Liu, X., Xu, Z., Zheng, Y., & Ma, Z. (2019). Characteristics of detrital zircon U-Pb geochronology and Hf isotopics from Liwu Group within the Changqiang dome on the southeastern margin of Songpan-Ganzi terrane and its tectonic implications (松潘-甘孜地体东南缘长枪穹隆核部里伍群碎屑锆石年代学和Hf同位素特征及其构造意义). *Acta Petrologica Sinica*, *35*(6), 1693–1716. <https://doi.org/10.18654/1000-0569/2019.06.05>

Liu, Y., Tan, X., Ye, Y., Zhou, C., Lu, R., Murphy, M. A., Xu, X., & Suppe, J. (2020). Role of erosion in creating thrust recesses in a critical-taper wedge: An example from Eastern Tibet. *Earth and Planetary Science Letters*, *540*, 116270. <https://doi.org/10.1016/j.epsl.2020.116270>

Lu, R., He, D., Xu, X., & Liu, B. (2016). Crustal-scale tectonic wedging in the central Longmen Shan: Constraints on the uplift mechanism in the southeastern margin of the Tibetan Plateau. *Journal of Asian Earth Sciences*, *117*, 73–81. <https://doi.org/10.1016/j.jseaes.2015.11.019>

Mao, F., Pei, X., Li, R., Li, Z., Pei, L., Liu, C., Zhao, S., Gao, F., Chen, Y., & Zhou, H. (2021). The LA-ICP-MS U-Pb dating of detrital zircons from the Nanhua System in Bikou Terrane, northwestern margin of Yangtze Block (扬子板块西北缘碧口微地块南华系碎屑锆石U-Pb年龄及其物源示踪). *Sedimentary Geology and Tethyan Geology*, *41*(1), 41–57. <https://doi.org/10.19826/J.CNKI.1009-3850.2020.10009>

Pei, X., Li, Z., Ding, S., Li, R., Feng, J., Sun, Y., Zhang, Y., & Liu, Z. (2009). Neoproterozoic Jiaoziding Peraluminous Granite in the Northwestern Margin of Yangtze Block: Zircon SHRIMP U-Pb Age and Geochemistry and Their Tectonic Significance. *Earth Science Frontiers*, *16*(3), 231–249. <https://doi.org/10.1016/S1872-5791(08)60096-2>

Qian, H., Zhou, R., Ma, S., & Li, X. (1999). South Segment of Minjiang Fault and Diexi Earthquake in 1993 Qian (岷江断裂南段与1933年叠溪地震研). *Earthquake Research in China*, *15*(4), 333–338.

Ren, J., Xu, X., Shimin, Z., Yi, L., Oubo, L., & Junxiang, Z. (2017). Tectonic transformation at the eastern termination of the Eastern Kunlun fault zone and seismogenic mechanism of the 8 August 2017 Jiuzhaigou M (S) 7. 0 earthquake. (东昆仑断裂带东端的构造转换与2017年九寨沟Ms7.0地震孕震机制). *Chinese Journal of Geophysics*, *60*(10), 4027–4045. <https://doi.org/10.6038/cjg20171029>

Ren, J., Xu, X., Yeats, R. S., & Zhang, S. (2013a). Latest Quaternary paleoseismology and slip rates of the Longriba fault zone, eastern Tibet: Implications for fault behavior and strain partitioning. *Tectonics*, *32*(2), 216–238. <https://doi.org/10.1002/tect.20029>

Ren, J., Xu, X., Yeats, R. S., & Zhang, S. (2013b). Millennial slip rates of the Tazang fault, the eastern termination of Kunlun fault: Implications for strain partitioning in eastern Tibet. *Tectonophysics*, *608*, 1180–1200. <https://doi.org/10.1016/j.tecto.2013.06.026>

Shao, C., Li, Y., Lan, H., Li, P., Zhou, R., Ding, H., Yan, Z., Dong, S., Yan, L., & Deng, T. (2019). The role of active faults and sliding mechanism analysis of the 2017 Maoxian postseismic landslide in Sichuan, China. *Bulletin of Engineering Geology and the Environment*, *78*(8), 5635–5651. <https://doi.org/10.1007/s10064-019-01480-8>

Shao, C., Li, Y., Yan, Z., Liu, S., Zhou, R., Li, J., Dong, S., Yan, L., Deng, T., & Nie, Z. (2019). Differential strain transfer, Longmen Shan thrust belt, eastern Tibetan Plateau margin: Implications for seismic hazards. *Journal of Asian Earth Sciences*, *169*(1), 284–297. <https://doi.org/10.1016/j.jseaes.2018.09.005>

Si, J. (2008). *The basic characteristics and tectonic evolution of the Minjiang Fault in the east of the Ruoergai Block (若尔盖地块东缘岷江断裂基本特征与演化历史)*.

Tan, X., Xu, X., Lee, Y., Lu, R., Liu, Y., Xu, C., Li, K., Yu, G., & Kang, W. (2017). Late Cenozoic thrusting of major faults along the central segment of Longmen Shan, eastern Tibet: Evidence from low-temperature thermochronology. *Tectonophysics*, *712–713*, 145–155. <https://doi.org/10.1016/j.tecto.2017.05.016>

Airaghi, L., de Sigoyer, J., Lanari, P., Guillot, S., Vidal, O., Monié, P., Sautter, B., & Tan, X. (2017). Total exhumation across the Beichuan fault in the Longmen Shan (eastern Tibetan plateau, China): Constraints from petrology and thermobarometry. *Journal of Asian Earth Sciences*, *140*(July 2016), 108–121. <https://doi.org/10.1016/j.jseaes.2017.04.003>

Ansberque, C., Bellier, O., Godard, V., Lasserre, C., Wang, M., Braucher, R., Talon, B., de Sigoyer, J., Xu, X., & Bourlès, D. L. (2016). The Longriqu fault zone, eastern Tibetan Plateau: Segmentation and Holocene behavior. *Tectonics*, *35*(3), 565–585. <https://doi.org/10.1002/2015TC004070>

Ansberque, C., Godard, V., Bellier, O., De Sigoyer, J., Liu-Zeng, J., Xu, X., Ren, Z., Li, Y., Arnold, M., Aumaitre, G., Bourlès, D. L., Keddadouche, K., & A.S.T.E.R. Team. (2015). Denudation pattern across the Longriba fault system and implications for the geomorphological evolution of the eastern Tibetan margin. *Geomorphology*, *246*, 542–557. <https://doi.org/10.1016/j.geomorph.2015.07.017>

Ansberque, C., Godard, V., Olivetti, V., Bellier, O., de Sigoyer, J., Bernet, M., Stübner, K., Tan, X., Xu, X., & Ehlers, T. A. (2018). Differential Exhumation Across the Longriba Fault System: Implications for the Eastern Tibetan Plateau. *Tectonics*, *37*(2), 663–679. <https://doi.org/10.1002/2017TC004816>

Burchfiel, B. C., & Chen, Z. (2012). *Tectonics of the Southeastern Tibetan Plateau and Its Adjacent Foreland*. Geological Society of America.

Chen, S., Wilson, C. J. L., Deng, Q., Zhao, X., & Luo, Z. (1994). Active faulting and block movement associated with large earthquakes in the Min Shan and Longmen Mountains, northeastern Tibetan Plateau. *Journal of Geophysical Research*, *99*(B12). <https://doi.org/10.1029/94jb02132>

Chen, Z., Jia, D., Zhang, Q., Wei, G., Li, B., Wei, D., & Shen, Y. (2005). Balanced Cross-section Analysis of the Fold-Thrust Belt of the Longmen Mountains (龙门山前陆褶皱冲断带的平衡剖面分析). *Acta Geologica Sinica*, *79*(1), 38–45.

Cook, K. L., Royden, L. H., Burchfiel, B. C., Lee, Y., & Tan, X. (2013). Constraints on cenozoic tectonics in the southwestern longmen shan from low-temperature thermochronology. *Lithosphere*, *5*(4), 393–406. <https://doi.org/10.1130/L263.1>

Druschke, P. A., Hanson, A. D., Yan, Q., Wang, Z., & Wang, T. (2006). Stratigraphic and U-Pb SHRIMP detrital zircon evidence for a Neoproterozoic continental arc, central China: Rodinia implications. *Journal of Geology*, *114*(5), 627–636. <https://doi.org/10.1086/506162>

Fan, X., Scaringi, G., Xu, Q., Zhan, W., Dai, L., Li, Y., Pei, X., Yang, Q., & Huang, R. (2018). Coseismic landslides triggered by the 8th August 2017 M s 7.0 Jiuzhaigou earthquake (Sichuan, China): Factors controlling their spatial distribution and implications for the seismogenic blind fault identification. *Landslides*, *15*(5), 967–983. <https://doi.org/10.1007/s10346-018-0960-x>

Jia, D., Li, Y., Yan, B., Li, Z., Wang, M., Chen, Z., & Zhang, Y. (2020). The Cenozoic thrusting sequence of the Longmen Shan fold-and-thrust belt, eastern margin of the Tibetan plateau: Insights from low-temperature thermochronology. *Journal of Asian Earth Sciences*, *198*(April), 104381. <https://doi.org/10.1016/j.jseaes.2020.104381>

Jia, D., Wei, G., Chen, Z., Li, B., Zeng, Q., & Yang, G. (2006). Longmen Shan fold-thrust belt and its relation to the western Sichuan Basin in central China: New insights from hydrocarbon exploration. *American Association of Petroleum Geologists Bulletin*, *90*(9), 1425–1447. <https://doi.org/10.1306/03230605076>

Jin, W., Tang, L., Yang, K., Wan, G., & Lü, Z. (2010). Segmentation of the Longmen Mountains thrust belt, Western Sichuan Foreland Basin, SW China. *Tectonophysics*, *485*(1–4), 107–121. <https://doi.org/10.1016/j.tecto.2009.12.007>

Kirby, E., Whipple, K. X., Burchfiel, B. C., Tang, W., Berger, G., Sun, Z., & Chen, Z. (2000). Neotectonics of the Min Shan, China: Implications for mechanisms driving Quaternary deformation along the eastern margin of the Tibetan Plateau. *GSA Bulletin*, *112*(3), 375–393. [https://doi.org/10.1130/0016-7606(2000)112<375](https://doi.org/10.1130/0016-7606(2000)112%3c375)

Li, F., Liu, H., Jia, Q., Xu, X., Zhang, X., & Gong, F. (2018). Holocene active characteristics of the Northern segment of the Minjiang fault in the eastern margin of the Tibetan Plateau (青藏高原东缘岷江断裂北段全新世活动特征). *Seismology and Geology*, *40*(1), 97–106. <https://doi.org/10.3969/j.issn.0253-4967.2018.01.008>

Li, Y., Huang, C., Shujian, Y., & Wu, C. (2017). Study on seismic fault and source rupture tectonic dynamic mechanism of Jiuzhaigou M S 7.0 earthquake (九寨沟7.0级地震的地震断裂及震源破裂的构造动力学机理研究). *Journal of Engineering Geology*, *25*(4), 1141–1150. <https://doi.org/10.13544/j.cnki.jeg.2017.04.029>

Li, Z., Han, Q., Lu, J., Long, W., Ding, X., & Huang, J. (2018). Study on the structural characteristics and seismogenic faults around the earthquake-stricken area of the Jiuzhaigou earthquake, China (九寨沟地震发震区周边构造特征及发震断裂). *Journal of Chengdu University of Technology*, *45*(6), 649–658.

Li, Z., Jia, D., Chen, W., Yin, H., Shen, L., Sun, C., Zhang, Y., Li, Y., Li, S., Zhou, X., Li, H., Jian, G., Zhang, M., & Cui, J. (2014). Late Cenozoic east-west crustal shortening in southern Longmen Shan, eastern Tibet: Implications for regional stress field changes. *Tectonophysics*, *623*, 169–186. <https://doi.org/10.1016/j.tecto.2014.03.033>

Li, Z., Zhang, P., Zheng, W., Jia, D., Hubbard, J., Almeida, R., Sun, C., Shi, X., & Li, T. (2018). Oblique Thrusting and Strain Partitioning in the Longmen Shan Fold-and-Thrust Belt, Eastern Tibetan Plateau. *Journal of Geophysical Research: Solid Earth*, *123*(5), 4431–4453. <https://doi.org/10.1029/2018JB015529>

Liu, H., Li, F., Zhang, X., Jia, Q., & Gong, F. (2018). Late Quaternary Activity of Huya Fault on the Eastern Margin of the Tibetan Plateau (青藏高原东缘虎牙断裂晚第四纪活动特征). *Journal of Seismological Research*, *41*(4), 594–604.

Liu, X., Xu, Z., Zheng, Y., & Ma, Z. (2019). Characteristics of detrital zircon U-Pb geochronology and Hf isotopics from Liwu Group within the Changqiang dome on the southeastern margin of Songpan-Ganzi terrane and its tectonic implications (松潘-甘孜地体东南缘长枪穹隆核部里伍群碎屑锆石年代学和Hf同位素特征及其构造意义). *Acta Petrologica Sinica*, *35*(6), 1693–1716. <https://doi.org/10.18654/1000-0569/2019.06.05>

Liu, Y., Tan, X., Ye, Y., Zhou, C., Lu, R., Murphy, M. A., Xu, X., & Suppe, J. (2020). Role of erosion in creating thrust recesses in a critical-taper wedge: An example from Eastern Tibet. *Earth and Planetary Science Letters*, *540*, 116270. <https://doi.org/10.1016/j.epsl.2020.116270>

Lu, R., He, D., Xu, X., & Liu, B. (2016). Crustal-scale tectonic wedging in the central Longmen Shan: Constraints on the uplift mechanism in the southeastern margin of the Tibetan Plateau. *Journal of Asian Earth Sciences*, *117*, 73–81. <https://doi.org/10.1016/j.jseaes.2015.11.019>

Mao, F., Pei, X., Li, R., Li, Z., Pei, L., Liu, C., Zhao, S., Gao, F., Chen, Y., & Zhou, H. (2021). The LA-ICP-MS U-Pb dating of detrital zircons from the Nanhua System in Bikou Terrane, northwestern margin of Yangtze Block (扬子板块西北缘碧口微地块南华系碎屑锆石U-Pb年龄及其物源示踪). *Sedimentary Geology and Tethyan Geology*, *41*(1), 41–57. <https://doi.org/10.19826/J.CNKI.1009-3850.2020.10009>

Pei, X., Li, Z., Ding, S., Li, R., Feng, J., Sun, Y., Zhang, Y., & Liu, Z. (2009). Neoproterozoic Jiaoziding Peraluminous Granite in the Northwestern Margin of Yangtze Block: Zircon SHRIMP U-Pb Age and Geochemistry and Their Tectonic Significance. *Earth Science Frontiers*, *16*(3), 231–249. <https://doi.org/10.1016/S1872-5791(08)60096-2>

Qian, H., Zhou, R., Ma, S., & Li, X. (1999). South Segment of Minjiang Fault and Diexi Earthquake in 1993 Qian (岷江断裂南段与1933年叠溪地震研). *Earthquake Research in China*, *15*(4), 333–338.

Ren, J., Xu, X., Shimin, Z., Yi, L., Oubo, L., & Junxiang, Z. (2017). Tectonic transformation at the eastern termination of the Eastern Kunlun fault zone and seismogenic mechanism of the 8 August 2017 Jiuzhaigou M (S) 7. 0 earthquake. (东昆仑断裂带东端的构造转换与2017年九寨沟Ms7.0地震孕震机制). *Chinese Journal of Geophysics*, *60*(10), 4027–4045. <https://doi.org/10.6038/cjg20171029>

Ren, J., Xu, X., Yeats, R. S., & Zhang, S. (2013a). Latest Quaternary paleoseismology and slip rates of the Longriba fault zone, eastern Tibet: Implications for fault behavior and strain partitioning. *Tectonics*, *32*(2), 216–238. <https://doi.org/10.1002/tect.20029>

Ren, J., Xu, X., Yeats, R. S., & Zhang, S. (2013b). Millennial slip rates of the Tazang fault, the eastern termination of Kunlun fault: Implications for strain partitioning in eastern Tibet. *Tectonophysics*, *608*, 1180–1200. <https://doi.org/10.1016/j.tecto.2013.06.026>

Shao, C., Li, Y., Lan, H., Li, P., Zhou, R., Ding, H., Yan, Z., Dong, S., Yan, L., & Deng, T. (2019). The role of active faults and sliding mechanism analysis of the 2017 Maoxian postseismic landslide in Sichuan, China. *Bulletin of Engineering Geology and the Environment*, *78*(8), 5635–5651. <https://doi.org/10.1007/s10064-019-01480-8>

Shao, C., Li, Y., Yan, Z., Liu, S., Zhou, R., Li, J., Dong, S., Yan, L., Deng, T., & Nie, Z. (2019). Differential strain transfer, Longmen Shan thrust belt, eastern Tibetan Plateau margin: Implications for seismic hazards. *Journal of Asian Earth Sciences*, *169*(1), 284–297. <https://doi.org/10.1016/j.jseaes.2018.09.005>

Si, J. (2008). *The basic characteristics and tectonic evolution of the Minjiang Fault in the east of the Ruoergai Block (若尔盖地块东缘岷江断裂基本特征与演化历史)*.

Tan, X., Xu, X., Lee, Y., Lu, R., Liu, Y., Xu, C., Li, K., Yu, G., & Kang, W. (2017). Late Cenozoic thrusting of major faults along the central segment of Longmen Shan, eastern Tibet: Evidence from low-temperature thermochronology. *Tectonophysics*, *712–713*, 145–155. <https://doi.org/10.1016/j.tecto.2017.05.016>

Tian, Y., Kohn, B. P., Phillips, D., Hu, S., Gleadow, A. J. W., & Carter, A. (2016). Late Cretaceous-earliest Paleogene deformation in the Longmen Shan fold-and-thrust belt, eastern Tibetan Plateau margin: Pre-Cenozoic thickened crust? *Tectonics*, *35*(10), 2293–2312. <https://doi.org/10.1002/2016TC004182>

Wang, D., Wang, Z., Zhang, Y., Wang, T., Chen, L., & Zhang, Y. (2014). Deformation structures of the Madao Gneiss in South Qinling: Structural Analysis, Geochronological Constraints, and Tectonic Implications. *Acta Geologica Sinica*, *88*(4), 1102–1119. <https://doi.org/10.1111/1755-6724.12276>

Wang, M., Zhou, B., Yang, X., Xie, C., & Gao, X. (2013). Characteristics of late-quaternary activity and seismic risk of the Northeastern section of the Longmenshan fault zone. *Acta Geologica Sinica*, *87*(6), 1674–1689. <https://doi.org/10.1111/1755-6724.12168>

Wang, W., Zhu, C., Zhang, X., Qing, Y., & Shan, X. (2016). Genetic types and geological significance of transverse faults at Longmenshan Fault Zone (龙门山断裂带横断层成因类型及地质意义). *Earth Science Frontiers*, *41*(5). <https://doi.org/10.3799/dqkx.2016.062>

Wang, Y. Y., Chen, X., Zhang, Y. Y., Yin, Z., Zuza, A. V., Yin, A., Wang, Y., Ding, W., Xu, S., Zhang, Y., Li, B., & Shao, Z. (2022). Superposition of Cretaceous and Cenozoic deformation in northern Tibet: A far-field response to the tectonic evolution of the Tethyan orogenic system. *GSA Bulletin*, *134*(1–2), 501–525. <https://doi.org/10.1130/B35944.1>

Xu, X., Chen, G., Wang, Q., Chen, L., Ren, Z., Xu, C., Wei, Z., Lu, R., Tan, X., Dong, S., & Shi, F. (2017). Discussion on seismogenic structure of Jiuzhaigou earthquake and its implication for current strain state in the southeastern Qinghai-Tibet Plateau (九寨沟地震发震断层属性及青藏高原东南缘 现今应变状态讨论). *Chinese Journal of Geophysics*, *60*(10), 4018–4026. <https://doi.org/10.6038/cjg20171028>

Xu, X., Wen, X., Chen, G., & Yu, G. (2008). Discovery of the Longriba fault zone in eastern Bayan Har block, China and its tectonic implication. *Science in China, Series D: Earth Sciences*, *51*(9), 1209–1223. <https://doi.org/10.1007/s11430-008-0097-1>

Yan, D., Zhou, M., Li, S., & Wei, G. (2011). Structural and geochronological constraints on the Mesozoic-Cenozoic tectonic evolution of the Longmen Shan thrust belt, eastern Tibetan Plateau. *Tectonics*, *30*(6). <https://doi.org/10.1029/2011TC002867>

Yan, D., Zhou, Y., Qiu, L., Wells, M. L., Mu, H., & Xu, C. (2018). The Longmenshan Tectonic Complex and adjacent tectonic units in the eastern margin of the Tibetan Plateau: A review. *Journal of Asian Earth Sciences*, *164*(June), 33–57. <https://doi.org/10.1016/j.jseaes.2018.06.017>

Zhang, J., Huang, X., Niu, X., & Liu, F. (2010). Chuanzhusi-Huanglong strike-slip faults and a transpressional shear system in Songpan-Pingwu area, Northwestern Sichuan (川主寺-黄龙左行走滑剪切断层和松潘-平武剪切转换构造体制). *Earth Science Frontiers*.

Zhang, P., Shen, Z., Wang, M., Gan, W., Bürgmann, R., Molnar, P., Wang, Q., Niu, Z., Sun, J., Wu, J., Sun, H., & You, X. (2004). Continuous deformation of the Tibetan Plateau from global positioning system data. *Geology*, *32*(9), 809–812. <https://doi.org/10.1130/G20554.1>

Zhang, Y., Li, H., Wu, M., & Liao, C. (2012). Zhang et al 2012 GR - Minjiang fault decollement late Cz structure field photos in Chinese 岷江断裂带晚新生代逆冲推覆构造来自钻孔的证据.pdf. *Geological Review*, *58*(2), 215–223.

Zhang, Y., Li, J., Li, H., & Li, J. (2016). Reinvestigation on Seismogenic Structure of the 1933 Diexi Ms 7.5 Earthquake, Eastern Margin of the Xizang (Tibetan) Plateau 青藏高原东缘1933年叠溪Ms7.5级地震发震构造再研究. *Geological Review*, *62*(2), 267–276. <https://doi.org/10.16509/j>

Zhang, Y., & Wang, Z. (2011). Integrated Analyses Constraining the Provenance of Early Cretaceous Huicheng Basin, Western Qinling Orogenic Belt. *Acta Geologica Sinica*, *85*(12), 2014–2030.

Zhao, B., Wang, Y., Li, J., Wang, J., & Tang, C. (2021). Insights into a giant landslide-prone area on the eastern margin of the Tibetan Plateau, China. *Journal of Mountain Science*, *18*(1), 21–37. <https://doi.org/10.1007/s11629-020-6248-3>

Zhong, N., Jiang, H., Li, H., Xu, H., Shi, W., Zhang, S., & Wei, X. (2019). Last Deglacial Soft–Sediment Deformation at Shawan on the Eastern Tibetan Plateau and Implications for Deformation Processes and Seismic Magnitudes. *Acta Geologica Sinica - English Edition*, *93*(2), 430–450. <https://doi.org/10.1111/1755-6724.13773>

(Airaghi et al., 2017; Ansberque et al., 2015, 2016, 2018; Burchfiel & Chen, 2012; S. Chen et al., 1994; Z. Chen et al., 2005; Cook et al., 2013; Druschke et al., 2006; Fan et al., 2018; Jia et al., 2006, 2020; Jin et al., 2010; Kirby et al., 2000; F. Li et al., 2018; Y. Li et al., 2017; Z. Li et al., 2014; Z. Li, Han, et al., 2018; Z. Li, Zhang, et al., 2018; H. Liu et al., 2018; X. Liu et al., 2019; Y. Liu et al., 2020; Lu et al., 2016; Mao et al., 2021; Pei et al., 2009; Qian et al., 1999; Ren et al., 2013b, 2013a, 2017; Shao, Li, Lan, et al., 2019; Shao, Li, Yan, et al., 2019; Si, 2008; Tan et al., 2017; Tian et al., 2016; D. Wang et al., 2014; M. Wang et al., 2013; W. Wang et al., 2016; Y. Y. Wang et al., 2022; Xu et al., 2008, 2017; Yan et al., 2011, 2018; J. Zhang et al., 2010; P. Zhang et al., 2004; Y. Zhang et al., 2012, 2016; Y. Zhang & Wang, 2011; Zhao et al., 2021; Zhong et al., 2019)