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[現職]

- 中央研究院地球科學研究所副研究員 (2013.1 迄今)
- 國立台灣大學地質科學系合聘副教授 (2017.2 迄今)
- 國立中央大學地球科學系兼任副教授 (2014.2 迄今)
- 中國文化大學地質系兼任副教授 (2023.2 迄今)
- 澳洲麥覺理大學行星與地球科學系榮譽研究員 (Honorary Research Fellow; 2006.1 迄今)

[學歷]

- 國立台灣大學地質科學研究所博士 (1995.9-2000.1; 論文題目：台灣北部第四紀火山岩的岩石成因；指導教授：鍾孫霖)
- 國立台灣大學地質科學研究所碩士班研究 (1994.9-1995.6; 1995.9 直攻博士班)
- 軍中服役 (42 期預官：1992.7-1994.6)
- 國立台灣大學地質科學系學士 (1988.9-1992.6)

[經歷]

- 科技部地球科學學門複審委員 (2019.1-2021.12)
- 中華民國地球科學學會理事 (2017.3-2020.2)
- 中華民國地質學會常務理事 (2017.6-2019.5)
- 中華民國地質學會秘書長 (2015.7-2017.6)
- 中央研究院地球科學研究所助研究員 (2005.8~2012.12)
- 澳洲麥覺理大學 (Macquarie University) 行星與地球科學系博士後研究員 (2001.6~2005.7)
- 國立台灣大學地質科學系博士後研究員 (2000.2~2001.5)
- 國立台灣大學地質科學系助教 (1995.9~1997.6)

[榮譽]

- 中央研究院前瞻計畫 (2018.1-2022.12)
- 科技部優秀年輕學者研究計畫 (2013.8~2017.7)
- 澳洲麥覺理大學研究獎學金 (Macquarie University Research Fellowship (MURF)) (2001.6~2004.5)
- 教育部公費留學博士後研究補助 (2001.6~2003.6)

[編輯服務]

- TAO 國際學術期刊地質領域主編 (2022.11 起)
- Geochemical Journal 國際學術期刊副編輯 (2020.1 起)
- Island Arc 國際學術期刊副編輯 (2020.1 起)
- TAO 國際學術期刊副編輯 (2015.8-2020.7)
- American Journal of Sciences 客座編輯 (2014.1~2)
- 自 2004 年起擔任包括 Contribution to Mineralogy and Petrology, Chemical Geology, Gondwana Research, Geochemistry Geophysics Geosystems, Island Arc, Journal of Geology, Journal of Asian Earth Sciences, Journal of Volcanology and Geothermal Research, Lithos, Physics of the Earth and Planetary Interiors, Precambrian Research, Quaternary International, TAO, Scientific Report, American Journal of Sciences, Gondwana Research 等國際著名學術期刊超過 75 篇論文的審查者(reviewer)
- 自 2010 年起擔任超過 200 個科技部研究計畫審查人

[研究領域]

- 島弧岩漿與隱沒帶交代變質作用
- 造山帶玄武岩質與高鉀岩漿的地化特性與演化
- 地函捕獲岩與岩石圈地函之演化
- 原位 (雷射) 鉑族元素含量與鐵同位素組成分析
- 蛇綠岩中超基性岩體的地球化學研究

[著作]

Listed peer-reviewed publications below:

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Organizations Academia Sinica - Taiwan
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Peer-reviewed papers:

Since 2021:

133. Pank, K., Kutterolf, S., Schindlbeck-Belo, J.C., Hopkins, J.L., **Wang, K-L.**, Lee, H.-Y., A. K. Schmitt, A.K., 2025. A Quaternary marine tephrostratigraphic record of New Zealand's explosive volcanism—integration of medial and distal to ultra-distal marine tephra inventories. J. Volcano. Geotherm. Res. 466, 108404. <https://doi.org/10.1016/j.jvolgeores.2025.108404>
132. Hong, G.-T., Benet, D., **Wang, K-L.**, Costa, F., Wang, L.-C. Decrypting the sediment record of very late stage volcanic activities in Tatun volcano group, Northern Taiwan: evidence from ashy deposits. Terrestrial, Atmospheric and Oceanic Sciences (2025) 36:20. <https://doi.org/10.1007/s44195-025-00104-x>
131. Brlek, M., Trinajstić, N., Gaynor, S.P., Kutterolf, S., Folkmar Hauff, F., Schindlbeck-Belo, J., Šuica, S., **Wang, K-L.**, Lee, H.-Y., Watts, E., Georgiev, S.V., Brčić, V., Špelić, M., Ivan Mišur, I., Kukoč, D., Schoene, B., Lukács, R., 2024. Spread and frequency of explosive silicic volcanism of the Carpathian-Pannonian Region during Early Miocene: Clues from the SW Pannonian Basin and the Dinarides. Journal of Volcanology and Geothermal Research 455, 108215. <https://doi.org/10.1016/j.jvolgeores.2024.108215>

130. Straub, S.M., Reilly, B., Raymo, M.E., Gómez-Tuena, A., **Wang, K.-L.**, Widom, E., Kuentz, D. and Arculus, R.J., 2024. Patterns of Plio-Pleistocene Ice Volume Variability Recorded by the Large-Magnitude Explosive Eruptions from the Kamchatka-Kurile Volcanic Arc. *Geochemistry, Geophysics, Geosystems*. 25, e2024GC011748. <https://doi.org/10.1029/2024GC011748>
129. Brlek, M., Trinajstić, N., Schindlbeck-Belo, J., Kutterolf, S., Vukovski, M., Guillong, M., Markovic, S., Šuica, S., **Wang, K.-L.**, Lee, H.-Y., Gaynor, S.P., Brčić, V., Mišur, I., Grizelj, A., Kurečić, T., Lazar, J.M., Milošević, M., Baranyi, V., Kukoč, D., Gilg, H.A., Georgiev, S., Lukács, R., 2024. A distal record of the Middle Miocene silicic eruption of the Carpathian-Pannonian Region stored within the Dinaride Lake System: implications for tephrostratigraphy and emplacement of volcanoclastic deposits. *International Journal of Earth Sciences* 113, 1427–1455. <https://doi.org/10.1007/s00531-024-02450-6>
128. Chien, Y.-H., **Wang, K.-L.***, Kovach, V., Kuzmin, M., Vorontsov, A., Ivanov, A., Pang, K.N., Iizuka, Y., Lee, H.-Y., Chung, S.-L., Lee, D.-C., 2024. Geochemical characteristics of peridotite xenoliths from the Vitim volcanic field: insight to late Cenozoic mantle upwelling in SE Siberia. *Lithos* 482-483, 107727. <https://doi.org/10.1016/j.lithos.2024.107727>
127. Preine, J., Karstens, J., Hübscher, C., Druitt, T., Kutterolf, S., Nomikou, P., Manga, M., Gertisser, R., Pank, K., Beethe, S., Berthod, C., Crutchley, G., McIntosh, I., Ronge, T., Tominaga, M., Clark, A., DeBari, S., Johnston, R., Mateo, Z., Peccia, A., Jones, C., Kletetschka, G., Metcalfe, A., Bernard, A., Chen, H., Chiyonobu, S., Fernandez-Perez, T., Joshi, K.B., Koukousioura, O., McCanta, M., Morris, A., Polymenakou, P., Woodhouse, A., Yamamoto, Y., **Wang, K.-L.**, Lee, H.-Y., Li, X., Papanikolaou, D., 2024. Hazardous explosive eruptions of a recharging multi-cyclic island arc caldera. *Nature Geoscience* 17, 323–331. <https://doi.org/10.1038/s41561-024-01392-7>
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123. Skoblenko, A., Milyukova, A., Dilek, Y., **Wang, K.-L.**, Batanova, V., Degtyarev, K., 2023. Geochemistry, Mineral Chemistry and Re–Os Isotopes of Refractory Peridotites of the North Balkhash Ophiolite Zone in the West Central Asian Orogenic Belt (Central Kazakhstan): Multi–Stage Melt Evolution of a Late Precambrian Forearc

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 121. Kutterolf, S., Schindlbeck-Belo, J.C., Müller, F., Pank, K., Lee, H.Y., **Wang, K.-L.**, Schmitt, 2023. Revisiting the occurrence and distribution of Indian Ocean Tephra: Quaternary marine Toba ash inventory. J. Volcano. Geotherm. Res. 107879, <https://doi.org/10.1016/j.jvolgeores.2023.107879>
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 119. Kutterolf, S., Schindlbeck-Belo, J.C., Pank, K., Schmitt, A.K., Lee, H.Y., **Wang, K.-L.**, 2023. The cenozoic marine tephra record in Indian Ocean deep drill sites. J. Volcano. Geotherm. Res. 107875, <https://doi.org/10.1016/j.jvolgeores.2023.107875>
 118. Pank, K., Kutterolf, S., Hopkins, J.L., **Wang, K.-L.**, Lee, H.Y., Schmitt, A.K., 2023. Advances in New Zealand's Tephrochronostratigraphy Using Marine Drill Sites: The Neogene. Geochemistry, Geophysics, Geosystems 24, e2023GC010866 <https://doi.org/10.1029/2023GC010866>
 117. Shellenbarger, J.G., Ma, G.S.K., Chan, J.S.L. Wong, J.P.M., **Wang, K.-L.** Early Cretaceous volcanic-arc magmatism in the Dalat-Kratie Fold Belt of eastern Cambodia: implications for the lithotectonic evolution of the Indochina terrane. Frontiers in Earth Science, *accepted*.
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 115. Brlek, M., Tapster, S.R., Schindlbeck-Belo, J., Gaynor, S., Kutterolf, S., Hauff, F., Georgiev, S.V., Trinajstić, N., Suica, S., Brčić, V., **Wang, K.-L.**, Lee, H.-Y., Beier, C., Abersteiner, A.B., Mišur, I., Peytcheva, I., Kukoc, D., Nemeth, B., Trajanova, M., Balen, D., Guillong, M., Szymanowski, D., Lukacs, R., 2023. Tracing widespread Early Miocene ignimbrite eruptions and petrogenesis at the onset of the Carpathian-Pannonian Region silicic volcanism. Gondwana Research 116, 40-60. <https://doi.org/10.1016/j.gr.2022.12.015>
 114. Tran, T.-D., **Wang K.-L.***, Kovach, V., Kotov, A., Velikoslavinsky, S., Popov, N., Dril, S., Chu, Z., Lee, D.-C., Kuo, L.-W., Iizuka, Y., Lee, H.-Y., 2023. Plate tectonics in action in the Mesoproterozoic: implication from the Olondo greenstone belt on the Aldan Shield of Siberian Craton. Earth and Planetary Science Letters 603, 117975. <https://doi.org/10.1016/j.epsl.2022.117975>
 113. Cisneros de León, A., Danišić, M. Schindlbeck-Belo, J., Kutterolf, S., Schmitt, A.K., Freundt, A., Kling, J., **Wang, K.-L.**, Lee, H.-Y., 2023. Timing and recurrence intervals for voluminous silicic eruptions from Amatitlán Caldera (Guatemala). Quaternary Science Reviews 301, 107935. <https://doi.org/10.1016/j.quascirev.2022.107935>
 112. Rizelia, M.E., Bingöl, A.F., **Wang, K.-L.**, Lee, H.-Y., 2023. Abyssal and forearc features of mantle peridotites in the Guleman ophiolite in SE Turkey. Lithos 436–437,

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111. Motova, Z.L., Donskaya, T.V., Gladkochub, D.P., Mazukabzov, A.M., **Wang, K.-L.**, Lee, H.-Y., 2022. Late Precambrian “Pre-Glacial” Sedimentation Stage in the Southern Siberian Platform. *Russ. Geol. Geophys.*, 1–17. <https://doi.org/10.2113/RGG20214394>
110. Kourim F., Rospabé, M., Dygert, N., Chatterjee, S., Takazawa, E., **Wang K.-L.**, Godard, M., Benoit, M., Giampouras, M., Ishii, K., Teagle, D. A.-H., Cooper, M.-J., Kelemen, P.B., 2022. Geochemical characterization of the Oman Crust-Mantle transition zone, OmanDP Holes CM1A and CM2B. *Journal of Geophysical Research: Solid Earth* 127, e2021JB022694. <https://doi.org/10.1029/2021JB022694>
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107. Skuzovatov, S. Yu*, Wang, K.-L.*, Smelov, A. P., 2021. Tracing the origin of zircon megacrysts in Triassic sediments of northeastern Siberian craton with implications to diamond paucity of craton-edge subcontinental lithospheric mantle. *Lithos* 400–401, 106376.
106. Cisneros de León1, A., Schmitt1, A. K., Kutterolf, S., Schindlbeck-Belo, J. C., Hernández, W., Sims, K. W. W., Garrison, J., Kant, L. B., Weber, B., **Wang, K.-L.**, Lee, H.-Y. and Trumbull, R. B. Zircon evidence for melt extraction from a vertically extensive magma system in the Tierra Blanca Eruptive Suite, Ilopango Caldera (El Salvador). *Geochemistry, Geophysics, Geosystems*, 22, e2020GC009507. <https://doi.org/10.1029/2020GC009507>.
105. Kovach, V. P., Kozakov, I., Kröner, A., Salnikova, E., **Wang, K.-L.**, Lee, H.-Y., Plotkina, J., Gorokhovskiy, B., Adamskaya, E., Tolmacheva, Shpakovich, L., E., 2021. Early Neoproterozoic crustal growth and microcontinent formation of the north-central Central Asian Orogenic Belt: New geological, geochronological, and Nd–Hf isotopic data on the Mélange Zone within the Zavkhan terrane, western Mongolia. *Gondwana Research* 91, 254–276.
104. Kanygina, N. A., Tretyakov, A. A., Degtyarev, K. E., Kovach, V. P., Plotkina, J. V., Pang, K.-N., **Wang, K.-L.** and Lee, H.-Y., 2021. Late Mesoproterozoic–Early Neoproterozoic quartzite–schist sequences of the Aktau–Mointy terrane (Central Kazakhstan): provenance, crustal evolution, and implications for paleotectonic reconstruction. *Precambrian Research* 354, 106040. <https://doi.org/10.1016/j.precamres.2020.106040>
103. Skuzovatov, S., Shatsky, V., Ragozin, A.I., **Wang, K.-L.**, 2021. Ubiquitous post-peak zircon in an eclogite from the Kumdy-Kol, Kokchetav UHP-HP massif (Kazakhstan): significance of exhumation-related zircon growth and modification in continental-subduction settings. *Island Arc* 30, e12385. <https://doi.org/10.1111/iar.12385>
102. Cisneros de León, A. Schindlbeck-Belo, J., Kutterolf, S., Danišik, M., Schmitt, A., Freund, A. Pérez, W., Harvey, J., **Wang, K.-L.**, Lee, H.-Y. A history of violence: magma incubation, timing, and tephra distribution of the Los Chocoyos super-eruption (Atitlán Caldera, Guatemala). *Journal of Quaternary Science*. 36, 169–179. <https://doi.org/10.1002/jqs.3265>

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101. Friedrichs, B., Schindlbeck-Belo, J. C., Daniššik, M., Jenkins, S. F., Yurteri, E., Çobankaya, M., Frische, M., **Wang, K.-L.**, Lee, H.-Y., Atıcı, G., Schmitt, A. K., Sparks, R. S. J., 2020. New insights into source and dispersal of Mediterranean S1 tephra, an early Holocene marker horizon erupted at Mt. Erciyes (Turkey). *Quaternary Science Reviews* 249, 106606. <https://doi.org/10.1016/j.quascirev.2020.106606>.
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