

## **Kuo-Lung Wang**

### **[Current position]**

Associate research fellow/Professor

Institute of Earth Sciences, Academia Sinica, Taipei, Taiwan

Joint appointment Associate Professor

Department of Geosciences, National Taiwan University

### **[Education qualifications]**

1988-1992: Undergraduate studies at Department of Geology, National Taiwan University, Taiwan: Bachelor of Science honors

(1992-1994: Compulsory military service)

1994-1995: Graduate studies for master degree at Department of Geology, National Taiwan University, Taiwan

1995-2000: Doctoral studies at Department of Geosciences, National Taiwan University, Taiwan: Doctor of Philosophy; Title of Thesis: Geochemistry and Petrogenesis of Late Pliocene-Quaternary Volcanic Rocks from the Northern Taiwan Volcanic Zone; Advisor: Prof. Sun-Lin Chung.

### **[Career history]**

Since Feb. 2023: Adjunct associate professor, Department of Geology, Chinese Cultural University, Taipei, Taiwan.

Since Feb. 2017: Joint appointment Associate Professor, Department of Geosciences, National Taiwan University, Taipei, Taiwan.

Since Aug. 2014: Adjunct associate professor, Department of Earth Sciences, National Central University, Taoyuan City, Taiwan.

Since Jan. 2013: Associate research fellow, Institute of Earth Sciences, Academia Sinica, Taipei, Taiwan

Since Jan. 2006: Honorary Research Fellow at CCFS/GEMOC National Key Centre, Department of Earth and Planetary Sciences, Macquarie University, Sydney, Australia

Jan. 2019-Dec. 2021: Member of Earth Sciences Review Committee of the Ministry of Science and Technology (MOST; now NSTC), Taiwan

Mar. 2017-Feb. 2020: Council member of Chinese Geoscience Union

Jun. 2017-May 2019: Council member of Geological Society of Taiwan (Located in Taipei)

Jun. 2015-May 2017: Secretary General, Geological Society of Taiwan (Located in Taipei)

Aug. 2005-Dec. 2012: Assistant research fellow, Institute of Earth Sciences, Academia Sinica, Taipei, Taiwan

Aug. 2004-Jul. 2005: Postdoctoral research scholar at Department of Geosciences, National Taiwan University, Taiwan

Jun. 2004-Oct. 2005: Research fellow at GEMOC National Key Centre, Department of Earth and Planetary Sciences, Macquarie University, Sydney, Australia.

Jun. 2001-May. 2004: Macquarie University Research Fellow (MURF) at GEMOC National Key Centre, Department of Earth and Planetary Sciences, Macquarie University, Sydney, Australia.

Jan. 2000-Jun. 2001: Postdoctoral research fellow, Department of Geosciences, National Taiwan University, Taiwan

### **[Honors and awards]**

Jan. 2018: Honorary Research Fellow in the ARC Centre of Excellence for Core to Crust Fluid

System (CCFS) in Department of Earth and Planetary Sciences, Macquarie University, Sydney, Australia.

Jan. 2018: Academia Sinica Career Development Award (2018-2022).

Aug. 2013: MOST Project for Excellent Junior Research Investigators (2013-2017) awarded.

Jan. 2006-Dec. 2017: Honorary Associate at CCFS/GEMOC National Key Centre, Department of Earth and Planetary Sciences, Macquarie University, Sydney, Australia

Aug. 2004: 3-year postdoctoral research scholarship awarded by the National Science Council, Taiwan

Oct. 2003: Invited talk as young outstanding scientist in "Investing in the future: the search for talent" held at Institute of Earth Sciences, Academia Sinica, Taiwan.

Jun. 2001: 3-year Macquarie University Research Fellow (MURF) awarded by Macquarie University, Australia.

Jul. 2001-Jun. 2003 2-year Overseas Postdoctoral Research Fund awarded by Ministry of Educational Affairs, Taiwan

Jun. 2000: "Outstanding Ph. D. thesis" awarded by Dean of College of Science, National Taiwan University, Taiwan

Jun. 1992: Undergraduate President's Award, National Taiwan University, Taiwan

#### **[Editorial service]**

Since Nov. 2022: Editor, Geology field, Journal of Terrestrial, Atmospheric and Oceanic Sciences (TAO).

Since Jan. 2020: Associate Editor, Geochemical Journal.

Since Jan. 2020: Associate Editor, Journal of Island Arc.

Aug. 2015-Jul. 2020: Associate Editor, Journal of Terrestrial, Atmospheric and Oceanic Sciences (TAO).

Guest Editor, Special issue to honor Bor-Ming Jahn, American Journal of Sciences, 314 (1, 2), 2014.

Reviewed more than 80 manuscripts from international high-profile journals including JGR-Solid Earth, Contribution to Mineralogy and Petrology, Journal of Petrology, *Geochimica et Cosmochimica Acta*, Scientific Report, *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*, *Advances in Geosciences*, *American Journal of Sciences*, *Gondwana Research*, *Collection and Research* (domestic; National Museum of Natural Science, Taichung) since 2004.

Reviewed more than 200 MOST (previous NSC) proposals since 2010.

#### **[Field(s) of specialization]**

Geochemistry, isotope geochemistry, igneous petrogenesis, petrology and mantle dynamics.

#### **[Expertise]**

Clean lab separation and TIMS analytical techniques for Sr, Nd, and double-spike Pb isotope measurements.

Operations on thermal ionization mass spectrometry (TIMS): Finnigan MAT-262, X-ray fluorescence analysis (XRF), inductively coupled plasma analysis (ICP) and atomic absorption analysis (AA), ICP-mass spectrometer (MS), laser-ablation microprobe (LAM)-multiple collector (MC)-ICPMS.

### [Professional affiliation]

Geological Society of Taiwan (Located in Taipei): since 2000 to present

American Geophysical Union: since 08/1997 to present

Geochemical Society: since 2003 to present

International Association of Geoanalysts: since 2018 to present

### [Publication]

Listed peer-reviewed publications below:

ORCID: 0000-0002-6447-2168

Web of Science Researcher ID: B-7399-2009

Scopus Author ID: 57208293165/ 37101195800

[h-index = 34 and total citations = 4612 times; Web of Science; 11 Nov. 2025]

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**Kuo-Lung Wang** ✓  
(Wang, Kuo-Lung) | Academia Sinica

**Identifiers**  
Web of Science ResearcherID: B-7399-2009  
<https://orcid.org/0000-0002-6447-2168>

**Published names** ⓘ  
Wang, Kuo-Lung Wang, K. -L. Wang, K. L. Wang, KL Wang, K-L  
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**Organizations** ⓘ  
Academia Sinica - Taiwan  
National Taiwan University  
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**Subject Categories**  
Geology; Geochemistry & Geophysics; Mineralogy; Physical Geography;  
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140 results

### 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. 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>
  126. Druitt, T., Kutterolf, S., Ronge, T., Hübscher, C., Nomikou, P., Preine, J., Gertisser, R., Karstens, J., Keller, J., Koukousioura, O., Manga, M., Metcalfe, A., McCanta, M., McIntosh, I., Pank, K., Woodhouse, A., Beethe, S., Berthod, C., Chiyonobu, S., Chen, H., Clark, A., DeBari, S., Johnston, R., Peccia, A., Yamamoto, Y., Bernard, A., Perez, T.F., Jones, C., Joshi, K.B., Kletetschka, G., Li, X., Morris, A., Polymenakou, P., Tominaga, M., Papanikolaou, D., **Wang, K.-L.**, Lee, H.-Y., 2024. Giant offshore pumice deposit records a shallow submarine explosive eruption of ancestral Santorini. *Communications Earth & Environment*, 5, 24 (2024). <https://doi.org/10.1038/s43247-023-01171-z>

125. Dril, S.I., Kovach, V.P., Kotov, A.B., **Wang, K.-L.**, Larin, A.M., Iizuka, Y., Lee, H.-Y., 2024. Granodiorites of Olekminsky Complex of The Eastern Transbaikalia: U-Pb LA-ICP-MS Zircons Geochronology and Age Position of Complex. *Geodynamics and Tectonophysics*, 15(1): 0740. <https://doi.org/10.5800/GT-2024-15-1-0740>
124. Trinajstić, N., Brlek, M., Gaynor, S.P., Schindlbeck-Belo, J., Šuica, S., Avanić, R., Kutterolf, S., **Wang, K.-L.**, Lee, H.-Y., Holcová, K., Kopecká, J., Baranyi, V., Hajek-Tadesse, V., Bakrač, K., Brčić, V., Kukoč, D., Milošević, M., Mišur, I., Lukács, R., 2023. Provenance and depositional environment of Middle Miocene silicic volcanoclastic deposits from Mt. Medvednica (North Croatian Basin, Carpathian-Pannonian Region). *J. Volcano. Geotherm. Res.* 443, 107917, <https://doi.org/10.1016/j.jvolgeores.2023.107917>.
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 Mantle. *J. Geological Soc.* <https://doi.org/10.1144/jgs2023-091>.
122. Skuzovatov, S. Yu, **Wang, K.-L.**, Xian-Hua Li, X.H., Iizuka, Y., Shatsky, V., 2023. Zircon trace-element and isotopes (U-Pb, Lu-Hf,  $\delta^{18}\text{O}$ ) response to fluid-deficient metamorphism: reconciling the fluid activity and sources within a subducted continental terrane (North Muya, Eastern Siberia). *Geological Society, London, Special Publications* 537/1, <https://doi.org/10.1144/SP537-2022-309>.
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>
120. Kovach, V.P., Adamskaya, E., Kotov, A., Podkovyrov, V., Tolmacheva, E., Gladkochub, D., Sklyarov, E., Velikoslavinsky, S., Plotkina, Y., Skovitina, T., **Wang, K.-L.**, Lee, H.-Y., Gorokhovskiy, B., 2023. Age of provenance for the Paleoproterozoic Kemen Group, Udokan Complex: “hidden” Paleoproterozoic crust-forming event in the western Aldan Shield, Siberian Craton. *Precambrian Research* 396, 107158. <https://doi.org/10.1016/j.precamres.2023.107158>
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. Shellnutt, 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*.
116. M. Luo, M., Hong, W.-L., Torres, M.E., Kutterolf, S., Pank, K., Hopkins, J.L., Solomon, E.A., **Wang, K.-L.**, Lee, H.-Y. 2023. Volcanogenic aluminosilicate alteration drives formation of authigenic phases at the northern Hikurangi margin: Implications for subseafloor geochemical cycles. *Chemical Geology* 619, 121317. <https://doi.org/10.1016/j.chemgeo.2023.121317>
115. Brlek, M., Tapster, S.R., Schindlbeck-Belo, J., Gaynor, S., Kutterolf, S., Hauff, F., Georgiev, S.V., Trinajstić, N., Šuica, 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 Mesoarchean: 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., Danišík, 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, 106958. <https://doi.org/10.1016/j.lithos.2022.106958>
  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>
  109. Kutterolf, S., Freundt, A., Hansteen, T.H., Dettbarn, R., Hampel, F., Sievers, C., Wittig, C., Druitt, T.H., McPhie, J., Nomikou, P., Pank, K., Schindlbeck-Belo, J.C., **Wang, K.-L.**, Lee, H.-Y., Friedrichs, B., 2021. The medial offshore record of explosive volcanism along the central to eastern Aegean Volcanic Arc: 1. Tephrostratigraphic correlations. *Geochemistry, Geophysics, Geosystems*, 22, e2021GC010010. <https://doi.org/10.1029/2021GC010011>
  108. Kourim, F., Wang, K.-L.\*, Beinlich, A., Chieh, C.-J., Dygert, N., Lafay, R., Kovach, V., Michibayashi, K., Yarmolyuk, V., Iizuka, Y., 2021. Metasomatism of the off-cratonic lithospheric mantle beneath Hangay Dome, Mongolia: Constraints from trace-element modelling of lherzolite xenoliths. *Lithos* 400–401, 106407.
  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 León, A., Schmitt, 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>

2016-2020:

101. Friedrichs, B., Schindlbeck-Belo, J. C., Danišik, 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>.
100. Brlek, M., Kutterolf, S., Gaynor, S., Kuiper, K., Belak, M., Brčić, V., Holcová, K., **Wang, K.-L.**, Bakrač, K., Hajek-Tadesse, V., Mišur, I., Horvat, M., Šuica, S., Schaltegger, U., 2020. Miocene syn-rift evolution of the North Croatian Basin (Carpathian-Pannonian Region): new constraints from Mts. Kalnik and Požeška gora volcanoclastic record with regional implications. *International Journal of Earth Sciences* 109, 2775-2880. [doi.org/10.1007/s00531-020-01927-4](https://doi.org/10.1007/s00531-020-01927-4)
99. Lin, K.-Y. **Wang, K.-L.\***, Chung, S.L., Iizuka, Y., Bingöl, A.F., Lee, H.-Y., 2020. Tracking magmatic response to subduction initiation in the forearc mantle wedge: Insights from peridotite geochemistry of the Guleman and Kızıldağ ophiolites, Southeastern Turkey. *Lithos* 376-377, 105737. <https://doi.org/10.1016/j.lithos.2020.105737>
98. Kovach, V. P., Kotov, A. B., Salnikova, E. B., Popov, N., V., Velikoslavinsky, S. D., Plotkina, J., V, **Wang, K.-L.**, Fedoseenko, A. M., 2020. The Upper Age Boundary of the Formation of the Olondo Fragment of the Tokko-Khani Greenstone Belt, Aldan Shield: U-Pb (ID-TIMS) Geochronological Data. *Doklady Earth Sciences* 494, 767–772.
97. Kovach, V. P., Rytsk, E. Yu., Velikoslavinsky, S. D., Kuznetsov, A. B., **Wang, K.-L.** and Chung, S.-L., 2020. Age of Detrital Zircons and Sources of Terrigenous Deposits of the Olokit Zone (Northern Baikal Region). *Doklady Earth Sciences* 493, 600–603.
96. 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., 2020. Quartzite–Schist Sequences of the Aktau–Mointy Massif (Central Kazakhstan): Structural Position, Provenance, and Formation Stages of the Earth Crust in the Precambrian. *Geotectonics* 54, 212–228.
95. Kutterolf, S., Schindlbeck, J.C., Rohr, I., Rademacher, M., Cisneros de León, A., Eisele, S., Freundt, A., Hernandez, W., **Wang, K.-L.** The Arce Tephra: two subsequent paroxysmal Plinian eruptions from Coatepeque Caldera (El Salvador). *J. Vol. Geotherm Res.*, *in press*.
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