

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

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 100 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]

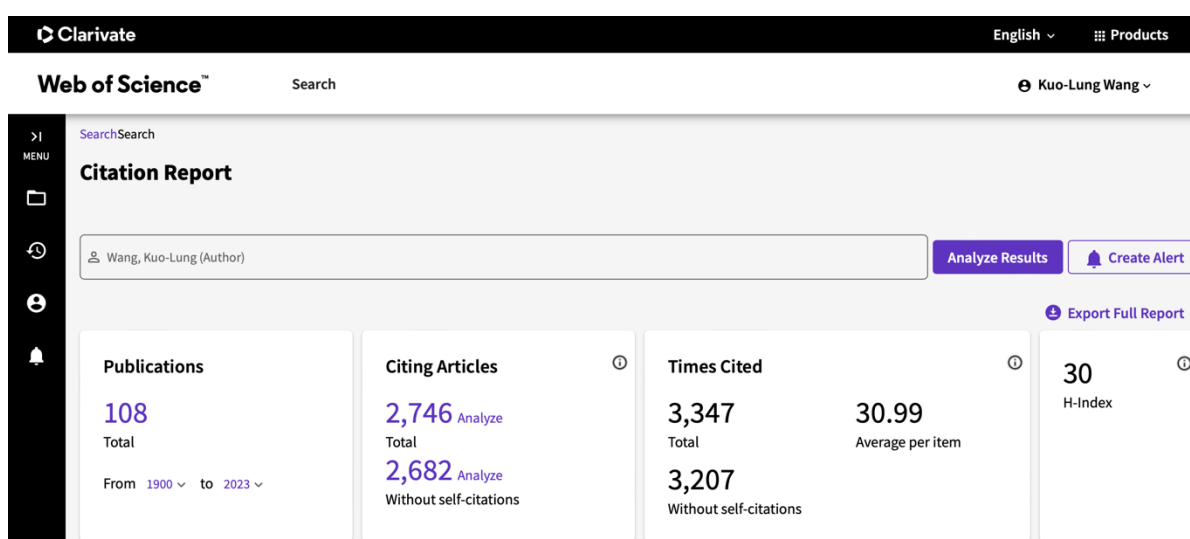
Listed peer-reviewed publications below:

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Web of Science Researcher ID: B-7399-2009

Scopus Author ID: 57208293165/ 37101195800

[h-index = 30 and total citations = 3347 times; Web of Science; 6 Feb. 2023]



Peer-reviewed papers:

Since 2021:

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., 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 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., Danišik, 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-Belo1, 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 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, Al., **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., Danišák, 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., Danišák, 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
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*.
94. Kovach, V.P., Kozakov, I.K., **Wang, K.-L.**, Plotkina, Yu. V., Lee, H.-Y., Chung, S.-L., 2019. Age and sources of terrigenous rocks of basal formation of the Tsagaan-Olom Group of the Dzabkhan Terrane: results of U–Th–Pb geochronological, Lu–Hf and Sm–Nd isotopic studies. *Stratigraphy and Geological Correlation* 27, 555–572.
93. Tretyakov, A.A., Pilitsyna, A.V., Degtyarev, K.E., Salnikova, E.B., Kovach, E.B., Lee, H.-Y., Batanova, V.G., **Wang, K.-L.**, Kanygina, N.A., Kovalchuk, E.V. Neoproterozoic granitoid magmatism and granulite metamorphism in the Chu-

- Kendyktas terrane (Southern Kazakhstan, Central Asian Orogenic Belt): Zircon dating, Nd isotopy and tectono-magmatic evolution. *Precambrian Research* 332, 105397.
92. Zhai, Q.G., Chung, S.-L., Tang, Y., Hu, P.Y., Jin, X.C., Wang, J., Wang, H.T., **Wang, K.L.**, Lee, H.-Y., 2019. Late Carboniferous ophiolites from the southern Lancangjiang belt, SW China: Implication for the arc–back-arc system in the eastern Paleo-Tethys. *Lithos* 344–345, 134-146.
 91. Skuzovatov, S., Shatsky, V., **Wang, K.-L.** Continental subduction during arc-microcontinent collision in the southern Siberia: Constraints on protoliths and metamorphic evolution of the North Muya complex eclogites (Eastern Siberia). *Lithos*, 342–343, 76-96.
 90. Mateen, T., Okamoto, K., Chung, S.-L., **Wang, K.-L.**, Lee, H.-Y., Abe, S., Mita, Y., Rehman, H.U. Terabayashi, M. and Yamamoto, H., 2019. LA-ICP-MS zircon U-Pb age and Hf isotope data from the granitic rocks in the Iwakuni area, Southwest Japan: reevaluation of emplacement order and the source magma. *Geosciences Journal*, in press.
 89. Budyak, A.E., Skuzovatov, S.Yu., Tarasova, I., **Wang, K.-L.**, and Goryachev, N. A., 2019. Common Neoproterozoic–Early Paleozoic Evolution of Ore-Bearing Sedimentary Complexes in the Southern Siberian Craton. *Doklady Earth Sciences* 484, 92–96.
 88. Kourim, F., Beinlich, A., **Wang, K.-L.**, Michibayashi, K., O'Reilly, S.Y., Pearson, N.J., 2019. Feedback of mantle metasomatism on olivine micro–fabric and seismic properties of the deep lithosphere. *Lithos* 328–329, 43-57.
 87. Skuzovatov, S.Yu., **Wang, K.-L.**, Dril, S.I., Iizuka, Y., Lee, H.-Y., 2019. Geochemistry, zircon U-Pb and Lu-Hf systematics of high-grade metasedimentary sequences from the South Muya block (northeastern Central Asian Orogenic Belt): reconnaissance of polymetamorphism and accretion of Neoproterozoic exotic blocks in southern Siberia. *Precambrian Research* 321, 34-53.
 86. Pilitsyna, A.V., Tretyakov, A.A., Degtyarev, K.E., Salnikov, E.B., Kotov, A.B., Kovach, V.P., **Wang, K.-L.**, Batanova, V.G., Plotkina, Yu.V., Tolmacheva, E.V., B.V.Ermolaev, Lee, H.-Y., 2019. Early Palaeozoic metamorphism of Precambrian crust in the Zheltau terrane (Southern Kazakhstan; Central Asian Orogenic belt): P-T paths, protoliths, zircon dating and tectonic implications. *Lithos* 324–325, 115-140.
 85. Schindlbeck, J.C., Kutterolf, S., Freundt, A., Eisele, S., **Wang, K.-L.**, Frische, M., 2018. Miocene to Holocene marine tephrostratigraphy offshore northern Central America and southern Mexico: Pulsed activity of known volcanic complexes. *Geochemistry, Geophysics, Geosystems*. 19, 4143-4173.
 84. Larin, A.M., Kotov, A.B., Sal'nikova, E.B., Kovach, V.P., Ovchinnikova, G.V., Savatenkov, V.M., Velikoslavinskii, S.D., Sorokin, A. A., Vasil'eva, I. M., Sergeeva, N. A., Mel'nikov, N. N., **Wang, K.-L.**, 2018. Granitoids of the Pozdnestanovoy Complex of the Dzhugdzhur-Stanovoy Superterrane, Central Asia Fold Belt: Age, Tectonic Setting, and Sources, *Petrology*, 26, 447-468, doi: 10.1134/S0869591118050041
 83. Scudder, R.P., Murray, R.W., Kutterolf, S., Schindlbeck, J., Underwood, M.B., **Wang, K.-L.** Sedimentary Inputs to the Nankai Subduction Zone: The Importance of Dispersed Ash. *Geosphere* 14, 1451-1467.
 82. Stoppa, L., Kutterolf, S., Rausch, J., Grobety, B., Pettke, T., **Wang, K.-L.**, Hemming, S., 2018. The Malpaisillo Formation: An explosive eruptive episode in the mid to late Pleistocene (Nicaragua, Central America). *J. Vol. Geotherm Res.* 359, 47-67.
 81. Deevsalar, R., Shinjo, R., **Wang, K.-L.**, Yeganehfar, H. and Neill, I., 2018. Gabbroic-dioritic dykes from the Sanadaj-Sirjan Zone: windows on Jurassic and Eocene

- geodynamic processes in western Iran. *Journal of the Geological Society* 175, 915-933. <https://doi.org/10.1144/jgs2017-156>
80. Kanygina N. A., Tretyakov A. A., Kovach V. P., Degtyarev K. E., **Wang, K.-L.**, Kotov A. B., 2018. First Results of Study of Detrital Zircons from Late Precambrian Quartzite–Schist Sequences of the Aktau–Mointy Block, Central Kazakhstan. *Doklady Earth Sciences* 479, 320–323.
 79. Degtyarev K. E., Tretyakov A. A., Kotov A. B., Salnikova E. B., Luchitskaya M. V., Kovach V. P., **Wang K.-L.**, 2018. The Late Silurian Age of the Reference Aralaul Granosyenites–Granite Massif (Northern Kazakhstan). *Doklady Earth Sciences* 479, 275–278.
 78. Reznitskiia, L. Z., Kovach V. P., Barash I. G., Plotkina Yu. V., **Wang K.-L.**, Chiu H.-Y., 2018. Age and Provenance Areas of Terrigenous Rocks of the Dzhida Terrane: Results of U–Th–Pb (LA-ICP-MS) Geochronological Study of Detrital Zircons. *Stratigraphy and Geological Correlation* 26, 489–513.
 77. Kutterolf, S., Schindlbeck, J.C., Robertson, A.H.F., Avery, A., Baxter, A.T., Petronotis, K., **Wang, K.-L.**, 2018. Tephrostratigraphy and provenance from IODP Expedition 352, Izu-Bonin arc: tracing tephra sources and volumes from the Oligocene to the Recent. *Geochemistry, Geophysics, Geosystems* 19, 150-174.
 76. Schindlbeck, J.C., Kutterolf, S., Straub, S.M., Andrews, G.D.M., **Wang, K.-L.**, Mleneck-Vautravers, M.J., 2018. The 1 Ma-Recent Tephra Record at IODP Sites U1436 and U1437: Insights into explosive volcanism from the Japan and Izu arcs. *Island Arc* 27, e12244.
 75. Degtyarev, K. E., Tolmacheva, T.Y., Tretyakov, A.A., Kotov, A.B., Yakubchuk, A.S. Salnikova, E.B. **Wang, K.L.**, 2017. Polychronous Formation of the Ophiolite Association in the Tekturmas Zone of Central Kazakhstan Inferred from Geochronological and Biostratigraphic Data, *Doklady Earth Sciences*, 472, 26-30, doi: 10.1134/S1028334X17010214
 74. **Wang K.-L.**, Chu Z., Gornova M.A., Dril S., Belyaev V.A., Lin K.-Y., O'Reilly S.Y., 2017. Depleted SSZ type mantle peridotites in Proterozoic Eastern Sayan ophiolites in Siberia. *Geodynamics & Tectonophysics* 8(3), 583-587.
 73. Skuzovatov, S.Yu., Noskova, Yu.V., Dril, S.I., **Wang, K.-L.**, Iizuka, Y., 2017. Geochemistry, zircon U-Pb geochronology, Nd-Hf isotopic characteristics and tectonic implications of the South Muya block metasediments (northeastern Central Asian Orogenic Belt). *Geodynamics & Tectonophysics* 8(3), 565-568.
 72. Kröner A., Kovach V., Alexeiev D., **Wang K.-L.**, Wong J., Degtyarev K., Kozakov I. No excessive crustal growth in the Central Asian Orogenic Belt: further evidence from field relationships and isotopic data. *Geodynamics & Tectonophysics* 8(3), 503-504.
 71. Kovach V.P., Kozakov I.K., Kröner A., Salnikova E.B., Wang K.-L., Lee H.-Y., Chung S.-L. Early Neoproterozoic crust formaton in the Dzabkhan microcontinent, Central Asian Orogenic Belt. *Geodynamics & Tectonophysics* 8(3), 499-501.
 70. Dril, S.I., Noskova Yu.V., **Wang K.-L.**, Belyaev, V., Skuzovatov, S.Yu., Grigoriev D.A., Belkov D.A., 2017. Geochronology and Sr-Nd isotope geochemistry of Late Paleozoic collisional granitoids of Undinsky complex (Eastern Transbaikal region). *Geodynamics & Tectonophysics* 8(3), 455-459.
 69. Belyaev V.A., **Wang K.-L.**, Gornova M.A., Dril' S.I., Karimov A.A., Medvedev A.Ya., Noskova, Yu.V. Geochemistry and origin of the Eastern Sayan ophiolites, Tuva-Mongolian microcontinent (Southern Siberia). *Geodynamics & Tectonophysics* 8(3), 411-415.
 68. Chiu, H.-Y., Chung, S.-L., Zarrinkoub, M.H., Melkonyan, R., Pang, K.-N., Lee, H.-Y., **Wang, K.-L.**, Mohammadi, S.S., Khatib, M.M., 2017. Zircon Hf isotopic constraints

- on magmatic and tectonic evolution in Iran: Implications for crustal growth in the Tethyan orogenic belt. *Journal of Asian Earth Sciences* 145, 652-669.
67. Kröner, A., Kovach, V., Kozakov, I., Aranovich, L., Xie, H., Kirnozova, T., Fuzgan, M., Serebryakov, N., **Wang, K.-L.**, Lee, H.-Y., 2017. Granulites and Palaeoproterozoic lower crust of the Baidarik Block, Central Asian Orogenic Belt of NW Mongolia. *Journal of Asian Earth Sciences* 145, 393-407.
66. Xiao, Y., Niu, Y., **Wang, K.-L.**, Iizuka, Y., Lin, J., Wang, D., Tan, Y., Wang, G. 2017. Different stages of chemical alteration on metabasaltic rocks in the subduction channel: Evidence from the Western Tianshan metamorphic belt, NW China. *Journal of Asian Earth Sciences* 145, 111-122.
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