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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)
- 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〕

- 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]

- 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 迄今)
- 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100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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[h-index = 23 and total citations = 2,293 times; Web of Science; June 2020]

PUBLICATIONS	TOTAL TIMES CITED	H-INDEX	VERIFIED REVIEWS
105	2,293	23 [®]	53

Peer-reviewed papers:

Since 2016:

- 96 . Kutterolf, S., Schindlbeck, J.C., Rohr, I., Rademacher, M., Cisneros de León, A., Eisele, S., Freundt, A., Hernandez, W., **Wang, K.-L.** 2020. The Arce Tephra: two subsequent paroxysmal Plinian eruptions from Coatepeque Caldera (El Salvador). J. Vol. Geotherm Res., 106673.

- 95 . Atici, G., Schmitt, A.K., Friedrichs, B., Sparks, S., Danišik, Yurteri, M.E., Gündoğdu, E.A., Schindlbeck Belo, J., Çobankaya, M., **Wang, K.-L.**, Lee, H.-Y., 2019. Ages and glass compositions for paired large volume eruptions from the Acigöl volcanic complex, Cappadocia (Turkey), *Mediterranean Geoscience Reviews*, doi:10.1007/s42990-019-00013-5.
- 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., 2019. 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*, 23(6), 917-931.
- 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.
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- 80 . Kanygina N. A., Tretyakov A. A., Kovach V. P., Degtyarev K. E., **Wang, K.-L.**, Kotov 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 formation 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.
- 65 . Kröner, A., Kovach, V., Alexeiev, D., **Wang, K.-L.**, Wong, J., Degtyarev, K., Kozakov, I., 2017. No excessive crustal growth in the Central Asian Orogenic Belt: Further evidence from field relationships and isotopic data. *Gondwana Research* 50, 135-166.
- 64 . Velikoslavinskii, S. D., Kotov, A. B., Kovach, V. P., Tolmacheva, E. V., Sorokin, A. A., Sal'nikova, E. B., Larin, A. M., Zagornaya, N. Yu., **Wang, K.-L.**, Chung, S.L., 2017. Age and Tectonic Position of the Stanovoi Metamorphic Complex in the Eastern Part of the Central Asian Foldbelt. *Geotectonics* 51, 341-352.
- 63 . Deevsalar, R., Shinjo, R., Ghaderi, M., Murata, M., Hoskin, P., Oshiro, S., **Wang, K.-L.**, Lee, H. Y., Neill, I., 2017. Mesozoic-Cenozoic mafic magmatism in Sanandaj- Sirjan Zone, Zagros Orogen (Western Iran): geochemical and isotopic inferences from Middle Jurassic and Late Eocene gabbros. *Lithos* 284, 588-607.
- 62 . Kovach, V.P., Degtyrev, K., Tretyakov, A., Kotov, A., Tolmacheva, E., **Wang, K.-L.**, Chung, S.-L., Lee, Hao-Yang, Jahn, B.-M., 2017. Sources and provenance of the Neoproterozoic placer deposits of the Northern Kazakhstan: Implication for continental growth of the western Central Asian Orogenic Belt. *Gondwana Research*, 47, 28-43.

- 61 . Xiao, Yuanyuan, Niu, Yaoling, Zhang, Hong-Fu, **Wang, Kuo-Lung**, Iizuka, Yoshiyuki, Lin, Jinyan, Tan, Yulong, Xu, Yongjiang, 2017. Effects of decarbonation on elemental behaviors during subduction-zone metamorphism: Evidence from a titanite-rich contact between eclogite-facies marble and omphacitite. *Journal of Asian Earth Sciences* 135, 338-346.
- 60 . Li, Y., Brouwer, F. M., Xiao, W., **Wang, K.-L.**, Lee, Y.H., Luo, B. Su, Y., Zheng, J., 2017. Subduction-related metasomatic mantle source in the eastern Central Asian Orogenic Belt: Evidence from amphibolites in the Xilingol Complex, Inner Mongolia, China. *Gondwana Research*, 43, 193-212.
- 59 . Yui, T. F., Chu, H. T., Suga, K., Lan, C. Y., Chung, S. H., **Wang, K.-L.**, Grove, M., 2017. Subduction-related 200 Ma Talun metagranite, SE Taiwan: an age constraint for palaeo-Pacific plate subduction beneath South China Block during the Mesozoic. *International Geology Review*, 59, 333-346.
- 58 . Liang, Y.H., Halliday, A.N., Siebert, C., Fitton, J.G., Burton, K.W., **Wang, K.-L.**, Harvey, J., 2017. Molybdenum isotope fractionation in the mantle. *Geochim. Cosmochim. Acta*, 199, 91-111.
- 57 . Kotov, A.B., Velikoslavinsky, S.D., Kovach, V.P., Sorokin, A.A., Sorokin, A.P., Skovitina, T.M., Zagornaya, N.Yu., **Wang, K.-L.**, Chung, S.-L., Jahn, B.-M., 2016. Paleoproterozoic age of the Zeya Group, Stanovoy Complex of the Dzhugdzhur–Stanovoy Superterrane (Central Asian mobile belt): Results of Sm–Nd isotopic and U–Th–Pb geochronological (LA-ICP-MS) analyses. *Doklady Earth Sciences* 471, 1234–1237.
- 56 . Schindlbeck, J.C., Kutterolf, S., Freundt, A., Andrews, G.D.M., **Wang, K.-L.**, Völker, D., Werner, R., M. Frische, Hoernle, K., 2016. Alkalic marine tephra layers at ODP Site 1241- major explosive eruptions from an oceanic volcano in a pre-shield stage? *J. Vol. Geotherm Res.* 328, 96-104.
- 55 . Schindlbeck, J.C., Kutterolf, S., Freundt, A., Alvarado, G., **Wang, K.-L.**, Straub, S.M., Hemming, S.R., Frische, M., Woodhead, J. D. 2016. Late Cenozoic tephrostratigraphy offshore the southern Central American Volcanic Arc: 1. Tephra ages and provenance. *Geochemistry, Geophysics, Geosystems* 17, 4641–4668.
- 54 . Kutterolf, S., Schindlbeck, J.C., Anselmetti, F.S., Ariztegui, D., Brenner, M., Hodell, D.A., Mueller, A., Pérez, W., Schmid, D., Schwalb, A., **Wang, K.-L.**, 2016. A 400-ka tephrochronological framework for Central America from Lake Petén Itzá (Guatemala) sediments. *Quaternary Science Reviews*, 150, 200-220.
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- 52 . Velikoslavinskii, S.D., Kotov, A.B., Kovach, V.P., Larin, A.M., Sorokin, A.A., Sorokin, A.P., Tolmacheva, E.V., Salnikova, E.B., **Wang, K.-L.**, Jahn, B.M., Chung, S.L., 2016. Mesozoic age of the Gilyui Metamorphic Complex in the junction zone of the Selenga–Stanovoi and Dzhugdzhur–Stanovoi superterranes, Central Asian fold belt. *Doklady Earth Sciences*, 468(2), 561-565.
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- 49 . Xiao, Y., Niu, Y., **Wang, K.-L.**, Lee, D.-C., Iizuka, Y., 2016. Geochemical behaviours of chemical elements during subduction-zone metamorphism and geodynamic significance. *International Geology Review* 58, 1253-1277.
- 48 . Skuzovatov, S.Yu., **Wang, K.-L.**, Shatsky, V.S., Buslov, M., 2016. Geochemistry, zircon U-Pb age and Hf isotopes of the North Muya block granitoids (Central Asian Orogenic belt): constraints on petrogenesis and geodynamic position. *Precambrian Research* 280, 14–30.
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- 42 . Wang, J., Chang, S., **Wang, K.-L.**, Lu, H., and H. Zhang., 2015. Geochronology and geochemistry of Early Cretaceous igneous units from the central Sulu orogenic belt: evidence for crustal delamination during a shift in the regional tectonic regime. *Journal of Asian Earth Sciences* 112, 49-59.
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