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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 (2015.8-2020.7)
- 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 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 = 26 and total citations = 2835 times; Publons (Web of Science); 23 Sep 2021]

PUBLICATIONS	TOTAL TIMES CITED	H-INDEX	VERIFIED REVIEWS
120	2,835	26	62

Peer-reviewed papers:

Since 2021:

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, A., **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
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 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 Transbaikalian 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., Degtyarev, 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 omphacite. *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.
53. Rizeli, M.E., Beyarslan, M., **Wang, K.-L.**, A. Bingöl, A.F., 2016. Mineral chemistry and petrology of mantle peridotites from the Guleman ophiolite (SE Anatolia, Turkey): evidence of a forearc setting. *Journal of African Earth Sciences*, 123, 392-402.
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.
51. Velikoslavinskii, S.D., Kotov, A.B., Kovach, V.P., Tolmacheva, E.V., A. M. Larin, A.M., Sorokin, A.A., Sorokin, A.P., **Wang, K.-L.**, Salnikova, E.B., 2016. Age, sources, and provenances of protoliths of metasedimentary rocks of the Dzheltulak group, Dzheltulak suture. *Doklady Earth Sciences*, 468(2), 545-548.
50. Pi, J.-L., You, C.-F., **Wang, K.-L.**, 2016. The influence of Ryukyu subduction system to magma genesis of Northern Taiwan Volcanic Zone and Middle Okinawa Trough—Boron isotopes observation. *Lithos* 260, 242-252.
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.

47. Skuzovatov, S.Yu., Sklyarov, E.V., Shatsky, V.S., **Wang, K.-L.**, and Kulikova, K.V. 2016. The age of metamorphism and nature of protolith of the South Muya block granulites (Baikal-Muya fold belt). *Russian Geology and geophysics*. 57, 451-463.

2011-2015:

46. Degtyarev, K.E., Kovach, V.P., Tret'yakov, A.A., Kotov, A.B., **Wang, K.-L.**, 2015. Age and sources of Precambrian zircon-rutile deposits in the Kokchetav sialic massif (northern Kazakhstan). *Doklady Earth Sciences*, 464, 1005-1009.
45. Velikoslavinskii, S.D., Kotov, A.B., Kovach, V.P., Sorokin, A. A., Sorokin, A. P., Tolmacheva, E. V., **Wang, K.-L.**, Chung, S.L., 2015. The Paleoproterozoic age of protoliths of metasedimentary rocks of the Sutam formation of the Aldan granulite-gneiss megacomplex (Stanovoi suture). *Doklady Earth Sciences*, 463, 765-769.
44. Eisele, S., Reißig, S., Freundt, A., Kutterolf, S., Nürnberg, D., **Wang, K.-L.**, Kwasnitschka, T., 2015. Pleistocene to Holocene offshore tephrostratigraphy of highly explosive eruptions from the southwestern Cape Verde Archipelago. *Marine Geology*, 369, 233-250.
43. Shellnutt, J.G., Lee, T.Y., Yang C.C., Hu, S.T., Wu J.C., **Wang, K.-L.**, Lo, C.H., 2015. Late Permian mafic rocks identified within the Doba basin of Southern Chad and the implications for the boundary of the Saharan Metacraton. *Geological Magazine*, 152, 1073-1084.
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.
41. Shellnutt, J.G., Bhat, G.M., **Wang, K.-L.**, Yeh, M.-W., Brookfield, M., Jahn, B.M., 2015. Multiple mantle sources of the Early Permian Panjal Traps, Kashmir, India. *AMERICAN JOURNAL OF SCIENCE*, 315, 589–619.
40. **Wang, K.-L.**, Prikhodko, V, O'Reilly, S., Griffin, W., Pearson, N., Kovach, V., Iizuka, Y. Chien, Y.-H., 2015. Ancient Mantle Lithosphere beneath the Khanka Massif in Far East Russia: In situ Re-Os Evidence. *Terra Nova*, 27, 277–284.
39. Schindlbeck, J.C., Kutterolf, S., Freundt, A., Straub, S., Wang, K.-L., Jegen, M., Hemming, S.R., Baxter, A.T., Sandoval, M.I., 2015. The Miocene Galápagos ash layer record of Integrated Ocean Drilling Program Legs 334 and 344: Ocean-island explosive volcanism during plume-ridge interaction. *Geology*, 43, 599-602.
38. S. Eisele, A. Freundt, S. Kutterolf, R.S. Ramalho, T. Kwasnitschka, **K.-L. Wang**, S. Hemming., 2015. Stratigraphy of the Pleistocene, phonolitic Cão Grande Formation on Santo Antão, Cape Verde. *J. Volcano. Geotherm Res.*, 301, 204–220.
37. Usuki, T., Lan, C.Y., Tran Trong Hoa, Phan Thi Dung, **Wang, K.-L.**, Shellnutt, J.G., Chung, S.L., 2015. Zircon U-Pb ages and Hf isotopic compositions of alkaline silicic magmatic rocks in the Phan Si Pan-Tu Le region, northern Vietnam: Identification of a western extension of the Emeishan Large Igneous Province. *J. Asian Earth Sci.*, 97 (A), 102-124.
36. Shellnutt, J.G., Belousov, A., Belousova, M., **Wang, K.-L.**, Zellmer, G.F., 2014. Generation of calc-alkaline andesitic rocks of the Tatun volcanic group (Taiwan) by shallow crystal fractionation within an extensional environment. *Intl. Geol. Rev.*, 56, 1156–1171.
35. Fukuyama, M., Ogasawara, M., Dunkley, D.J., **Wang, K.-L.**, Lee, D.-C., Hokada, T., Maki, K., Hirata, T. and Kon, Y., 2014. The formation of the rodingite from the

- Nagasaki metamorphic rocks in Nomo Peninsula, Nagasaki, Japan—U-Pb and Hf isotopes and trace element evidences. *Island Arc*, 23, 281-298.
34. Shellnutt, J.G., Bhat, G.M., **Wang, K.-L.**, Brookfield, M., Dostal, J., Jahn, B.M., 2014. Petrogenesis of the flood basalts from the Early Permian Panjal Traps, Kashmir, India: geochemical evidence for shallow melting of the mantle. *Lithos*, 204, 159-171.
 33. Kovach, V.P., Ryazantsev, A.V., Tretyakov, A.A., Degtyarev, K.E., Tolmacheva, E.V., **Wang, K.-L.**, Kotov, A.B., Chung, S.-L., Jahn, B.-M., 2014. U–Pb Age of Detrital Zircons from Neoproterozoic Placers of the Erementau–Niyaz Massif as a Reflection of Stages of Precambrian Tectono-Magmatic Evolution of Northern Kazakhstan. *Doklady Earth Sciences*, 455 (1), 254-258.
 32. Maki, K., Yui, T.F., Miyazaki, K., Fukuyama, M., **Wang, K.-L.**, Martens, U., Grove, M. and Liou, J.G., 2014. Petrogenesis of metatexite and diatexite migmatites determined using zircon U–Pb age, trace element and Hf isotope data, Higo metamorphic terrane, central Kyushu, Japan. *Journal of Metamorphic Geology*, 32, 301-323.
 31. Shellnutt, J.G. and **Wang, K.-L.** 2014. An ultramafic parental magma for a low Si-Al, high Ti-Fe gabbro in the Panxi region of the Emeishan large igneous province, SW China. *J. Asian Earth Sci.*, 79 (A), 329-344.
 30. Sal'nikova, E.B., Kotov, A.B., Kovach, V.P., Velikoslavinskii, S.D., Jahn, B.-M., Sorokin, A.A., Sorokin, A.P., **Wang, K.-L.**, Chung, S.-L., Lee, H.Y., Tolmacheva, E.V., 2013. Mesozoic Age of the Uril Formation of the Amur Group, Lesser Khingan Terrane of the Central Asian Foldbelt: Results of U–Pb and Lu–Hf Isotopic Studies of Detrital Zircons. *Doklady Earth Sciences*, 453 (2), 1181-1184.
 29. Shellnutt, J.G., Lan, C.-Y., Long, T.V., Tadashi, U., Yang, H.-J., Mertzman, S.A., Iizuka, Y., Chung, S.L., **Wang, K.-L.**, Wen-Yu Hsu., 2013. Formation of Cretaceous Cordilleran and post-orogenic granites and their microgranular enclaves from the Dalat zone, southern Vietnam: tectonic implications for the evolution of Southeast Asia. *Lithos*, 182-183, 229-241
 28. Zhai, Q.G., Jahn, B.M., Su, L., Ernst, R.E., **Wang, K.-L.** Zhang, R.Y., Wang, J., Tang, S.H., 2013. SHRIMP zircon U–Pb geochronology, geochemistry and Sr–Nd–Hf isotopic compositions of a mafic dyke swarm in the Qiangtang terrane, northern Tibet and geodynamic implications. *Lithos*, 174, 28-43.
 27. Ma, G. S.-K., Malpas, J., Gao, J., **Wang, K.-L.**, Qi, L., 2013. Platinum-group element geochemistry of intraplate basalts from the Aleppo Plateau, NW Syria. *Geological Magazine* 150, 497-508.
 26. Zhai, Q.G., Jahn, B.M., Wang, J., Su, L., Mo, X.X., **Wang, K.-L.**, Tang, S.H., Lee, H.Y., 2013. The Carboniferous ophiolite in the middle of the Qiangtang terrane, Northern Tibet: SHRIMP U–Pb dating, geochemical and Sr–Nd–Hf isotopic characteristics. *Lithos* 168-169, 186-199.
 25. Usuki, T., Lan C.-Y., **Wang, K.-L.**, Chiu, H.Y., 2013. Paleoposition of the Indochina block in the Gondwana margin during the Early Paleozoic: New constraints from U–Pb ages and Hf isotopes of detrital zircons from the Truong Son Belt, central Vietnam. *Tectonophysics*, 586, 145-159.
 24. Zhai, Q.G., Jahn, B.M., Su, L., Wang, J., Mo, X.X., Lee, H.Y., **Wang, K.-L.**, Tang, S.H., 2013. Triassic arc magmatism in the Qiangtang area, northern Tibet: Zircon U–Pb ages, geochemical and Sr–Nd–Hf isotopic characteristics, and tectonic implications. *J. Asian Earth Sci.* 63, 162-178.
 23. Kovach, V.P., Salnikovaa, E.B., **Wang, K.-L.**, Jahn, B.-m., Chiu, H.Y., Reznitskiy, L.Z., Kotov, A.B., Iizuka, Y., and Chung, S.L., 2013. Zircon U–Pb ages and Hf isotopic constraints on sources of the meta-terrigenous rocks of the Slyudyanskiy

- high-grade complex: implication for continental crustal growth and evolution of the Central Asian Orogenic Belt. *J. Asian Earth Sci.* 62, 18-36 .
22. **Wang, K.-L.**, O'Reilly, S.Y., Kovach, V., Griffin, W.L., Pearson, N.J., Yarmolyuk, V., Kuzmin, M.I., Chieh, C.J., Shellnutt, J.G. 2013. Microcontinents within the complex accretionary complexes of the Central Asia Orogenic Belt: in situ Re-Os evidence. *J. Asian Earth Sci* 62, 37-50.
 21. Ma, G. S.-K., Malpas, J., Suzuki, K. Lo, C.H., **Wang, K.-L.**, Iizuka, Y. and Xenophontos C., 2013. Evolution and origin of the Miocene intraplate basalts on the Aleppo Plateau, NW Syria. *Chem. Geol.*, 335, 149-171.
 20. **Wang, K.-L.**, S.-L. Chung, Y-M Lo, C.-H. Lo, H.-J. Yang, R. Shinjo, T.-Y. Lee, Wu, J.C., and Huang, S.T., 2012. Age and geochemical characteristics of Paleogene basalts drilled from western Taiwan: Records of initial rifting at the southeastern Eurasian continental margin. *Lithos* 155, 426-441.
 19. **Wang, K.-L.**, Y-M Lo, S.-L. Chung, S.K. Hsu, C.-H. Lo, H.-J. Yang, R. Shinjo, 2012. Age and geochemical features of dredged basalts from offshore SW Taiwan: magmatism associated with South China Sea spreading. *Terr. Atom. Ocean.* 23, 657-669.
 18. Shellnutt, J.G., Bhat, G.M., **Wang, K.-L.**, Brookfield, M., Dostal, J., Jahn, B.M., 2012. Origin of the silicic volcanic rocks of the Early Permian Panjal Traps, Kashmir, India. *Chem. Geol.* 334, 154-170.
 17. Ko, Y.T., Kuo, B.Y., **Wang, K.-L.**, Hung, S.H. and Lin, S.C., 2012. Slab-continent lateral coupling at subduction zone edges. *Earth Planet. Sci. Lett.* 335-336, 145-153.
 16. Sal'nikova, E. B., Kotov, A. B., Kovach, V. P., Velikoslavinskii, S. D., Jahn, B. -M., Sorokin, A. A., Sorokin, A. P., **Wang, K.-L.**, Chung, S.-L., Lee, H.-Y., Tolmacheva, E. V., 2012. Age of the Gonzha Group (Argun terrane, central asian Fold Belt) inferred from U-Pb and Lu-Hf zircon data. *Doklady Earth Sciences*, 444, 692-695.
 15. Yui, T.F., Maki, K., **Wang, K.-L.**, Lan, C.Y., Usuki, T., Iizuka, Y., Wu, C.M., Wu, T.W., Nishiyama, T., Martens, U., Liou, J.G. and Grove, M. 2012. Hf isotope and REE composition of zircons from jadeitite (Tone, Japan and north of the Motagua fault, Guatemala): implications on jadeitite genesis and possible geochemical characteristics of protoliths, *Eur. J. Mineral.*, 24, 263-275.
 14. Shellnutt, J.G., **Wang, K.-L.**, Zellmer, G.F., Iizuka, Y., Jahn, B.-m., Pang, K.N., Qi, L. and Zhou, M.F., 2011. Three Fe-Ti oxide ore-bearing gabbro-granitoid complexes in the Panxi region of the Permian Emeishan large igneous province, SW China. *Amer. J. Sci.*, 311, 773-812.
 13. Demonterova E.I., Ivanov A.V., Reznitskii L.Z., Belichenko V.G., Hung C.-H., Chung S.-L., Iizuka Y., **Wang K.-L.**, 2011. History of formation of the Tuva-Mongolian massif according U-Pb LA-ICP-MS dating of detrital zircons from a sandstone of the Darkhat series, Western Hovsgol, Northern Mongolia. *Doklady Earth Sciences*, 441, 1498-1501.
- 2006-2010:
12. **Wang, K.-L.**, O'Reilly, S.Y., Honda, M., Matsumoto, T., Griffin, W.L., Pearson, N.J. and Zhang, M., 2010. Co-rich sulfides in mantle peridotites from Penghu, Taiwan: fingerprints for Proterozoic mantle plume under the Cathaysia Block? *J. Asian Earth Sci.*, 37, 229-245.
 11. Chen, C.-H., Hsieh, P.S. **Wang, K.-L.**, Yang, H.J., Lin, W., Liang, Y.H., Lee, C.Y. and Yang, H.C., 2010. Ages of Huahsu (Penghu Islands) Volcanics in the Taiwan Strait and Tectonic Implication. *J. Asian Earth Sci.*, 37, 17-30.

10. Lan, C.-Y., Tadashi, U., **Wang, K.-L.**, Yui, T.-F., Okamoto, K., Lee, C.-S., Tsutsumi, Y., Yokoyama, K., Hirata, T., Kon, Y., Orihashi, Y., Horie, K., Hidaka, H., and Liou, J.G., 2009. Detrital zircon evidence for the antiquity of Taiwan. *Geosci. J.*, 13, 233-243.
9. Chu, M.F., **Wang, K.-L.**, Griffin, W.L., Chung, S.-L., O'Reilly, S.Y., Pearson, N.J. and Iizuka, Y., 2009. Apatite composition and petrogenetic processes in Transhimalayan granitoids. *Journal of Petrology*, 50, 1829-1855.
8. **Wang, K.-L.**, O'Reilly, S.Y., Griffin, W.L., Pearson, N.J and Zhang, M, 2009. Mantle sulfides in peridotites from Penghu, Taiwan: implications for PGE fractionation and lithospheric evolution of the South China block. *Geochim. Cosmochim. Acta.*, 73, 4531-4557.
7. Zhang, M., O'Reilly, S.Y., **Wang, K.-L.**, Hronsky J. and Griffin, W.L., 2008. Flood basalts and Metallogeny: the Lithospheric Mantle Connection. *Earth Science Reviews* 86, 145-174.

2001-2005:

6. **Wang, K.-L.**, Chung, S.L., O'Reilly, S.Y., Sun, S.-s., Shinjo, R. and Chen, C.H., 2004. Geochemical constraints for the genesis of post-collisional magmatism and the geodynamic evolution in the northern Taiwan region. *Journal of Petrology* 45, 975-1011.
5. **Wang, K.-L.**, O'Reilly, S.Y., Griffin, W.L., Chung, S.L., and Pearson, N.J., 2003. Proterozoic mantle lithosphere beneath the extended margin of the South China Block: in situ Re-Os evidence. *Geology* 31, 709-712.
4. **Wang, K.L.**, Chung, S.L., Chen, C.H. and Chen, C.-H., 2002. Geochemical constrain on the petrogenesis of high-Mg basaltic andesites from the northern Taiwan volcanic zone and their geodynamic significance. *Chemical Geology*, 182, 513-528.
3. Chung, S.L., **Wang, K.-L.**, Crawford, A.J., Kamenetsky, V.S., Chen, C.-H., Lan, C.Y. and Chen, C.H., 2001. High-Mg potassic rocks from Taiwan: Implications for the genesis of orogenic potassic lavas. *Lithos*, 59, 153-170.

~2000:

2. **Wang, K.-L.**, Chung, S.L., Chen, C.H., Shinjo, R., Yang, T.F. and Chen, C-H., 1999. Post collisional magmatism around northern Taiwan and its relation with opening of the Okinawa Trough. *Tectonophysics*, 308, 363-376.
1. Chung, S.L., Lo, C.H., Lee, T.Y., Zhang, Y.Q., Xie, Y.W., Li, X.H., **Wang, K.-L.** and Wang, P.L., 1998. Diachronous uplift of the Tibetan plateau starting 40 Myr ago. *Nature*, 394, 769-773.

Non SCI or peer-reviewed papers and book chapter:

- 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.
- Ma, G. S.-K., **Wang, K.-L.**, Malpas, J., Iizuka, Y., Xenophontos, C., Turkmani, A.A., Chan, G. H.-N., Usuki, T. and Chan, Q. H.-S., 2015. Melt pockets and spongy clinopyroxenes in mantle xenoliths from the Plio-Quaternary Al Ghab volcanic field, NW Syria: implications for the metasomatic evolution of the lithosphere. A. Khan and F. Deschamps (eds.), *The Earth's Heterogeneous Mantle*, Springer Intl. Publishing Switzerland, 205-257.

- Shellnutt, J.G., **Wang, K.-L.**, Griffin, W.L. and Chung, S.-L., 2014. Preface and forward for Bor-Ming Jahn Special Issue Part II. *American Journal of Science*, 314 (2), ix-xvii.
- Shellnutt, J.G., **Wang, K.-L.**, Griffin, W.L. and Chung, S.-L., 2014. Preface and forward for Bor-Ming Jahn Special Issue Part I. *American Journal of Science*, 314 (1), ix-xvii.
- Wang, K.-L.**, Chen, C.H., Chung, S.L., Lin, L.H., Lo, C.H., Yang, T.F. and Lee, H.Y., 2000. Field occurrence, ⁴⁰Ar/³⁹Ar dating and petrochemical features of volcanic rocks in Mienhuayu off NE Taiwan. *J. Geol. Soc. China*, 43, 247-266.

Conference papers (since 2012)

- Chien, Y.S., **Wang, K.-L.**, Iizuka, Y., Kuzmin, M., Vorontsov, A., Ivonov, A., 2012. Geochemical Characteristics of Mantle Xenoliths from Vitim Volcanic Zone in the Southeast Siberia. Abstract for the 2012 Annual Congress of Geological Society of Taiwan and Chinese Geophysical Society, Chung-Li, Taiwan.
- Wang, K.L.**, O'Reilly, S.Y., Kuzmin, M.I., Dril, S., Antipin, V., Prikhodko, V., Griffin, W.L., Pearson, N.J., Kovach, V., 2012. Ancient continents among the accretionary complexes of the Central Asia Orogenic Belt: in situ HSE conc. and Os isotope evidence. Abstract for 1st International Workshop on Geodynamic Evolution of The Central Asian Orogenic Belt, St. Petersburg, Russia.
- Wang, K.L.**, Chung, S.L., Lo, Y.M., Lo, C.H., Yang, H.J., Shinjo, R., Lee, T.Y., 2012. Petrogenesis of Paleogene basaltic rocks drilled from Western Taiwan: insight to rifting at the SE Asian continental margin. *Mineralogical Magazine*, 76 (6) 2513 (Abstract for the 22nd Goldschmidt Conference, Montreal, Canada).
- Shellnutt, J. G., Bhat, G. M., **Wang, K.L.**, Brookfield, M.E., Dostal, J. Jahn, B.M., 2012. Origin of the acidic rocks of the Early Permian Panjal Traps, Kashmir, India. *Mineralogical Magazine*, 76 (6) 2360 (Abstract for the 22nd Goldschmidt Conference, Montreal, Canada).
- Ma, G., Malpas, J., Suzuki, K., Lo, C.H. **Wang, K.L.**, Iizuka, Y., and Xenophontos, C. 2012. Heterogeneous mantle sources of the alkaline-tholeiitic intraplate basalts from the Aleppo Plateau, NW Syria. *Mineralogical Magazine*, 76 (6) 2046 (Abstract for the 22nd Goldschmidt Conference, Montreal, Canada).
- Maki, K., Fukuyama, M., Miyazaki, K., Yui, T.F., **Wang, K.L.**, Usuki, T., Hirata, T., Grove, M., 2012. Detrital zircons from the Higo and Abukuma metamorphic terranes, Japan: implication for the sediment provenance. *Mineralogical Magazine*, 76 (6) 2060 (Abstract for the 22nd Goldschmidt Conference, Montreal, Canada).
- Wang, K.L.**, O'Reilly, S.Y., Shinjo, R., Griffin, W.L., Pearson, N.J., and Matsumura, R. 2012. Proterozoic mantle lithosphere beneath the East African Rift (Southern Ethiopia): In situ HSE concentration and Os isotope evidence. Abstract Volume of Workshop on Craton Formation and Destruction with special emphasis on BRICS cratons, South Africa, p. 35.
- Wang, J., Chang, S.C., Lu, H.B., **Wang, K.L.**, Zhang, H.C., 2012. Detrital Zircon Geochronology and Its Constraints on the Mesozoic Tectonic Evolution in Lingshan Island, Shandong Province, China. Abstract of the 2012 AOGS-AGU (WPGM) Joint Assembly, Singapore.
- Chien, Y.S., **Wang, K.-L.**, Chung, S.L., Ma, G. S.-K., Iizuka, Y., Kuzmin, M., Vorontsov, A., Ivonov, A., 2012. Chemical compositions of peridotite xenoliths from Vitim, SE Siberia. Abstract presented at 2012 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.

- Chien, Y.S., **Wang, K.-L.**, Chung, S.L., Kuzmin, M., Vorontsov, A., Ivonov, A., Iizuka, Y., Ma, G. S.-K., 2013. Geochemical characteristics of peridotite xenoliths from the Vitim basalt plateau, SE Siberia. Abstract for the 2013 Taiwan Geosciences Assembly, Chung-Li, Taiwan.
- Wang, K.-L.**, O'Reilly, S.Y., Kuzmin, M.I., Kovach, V., Dril, S., Vorontsov, A., V. Yarmolyuk, Griffin, W.L., Pearson, N.J., 2013. Ancient continents among the accretionary complexes of the Central Asia Orogenic Belt: in situ Os isotope evidence. Abstract of the First Joint Scientific Meeting of GSC and GSA, Chengdu, China, 17-19 June(invited).
- Wang, K.-L.**, Chien, Y.-H., Kuzmin, M.I., O'Reilly, S.Y., Griffin, W.L., Vorontsov, A. and Pearson, N.J., 2013. Geochemical Fingerprints in Siberian Mantle Xenoliths Reveal Progressive Erosion of an Archean Lithospheric Root. *Mineralogical Magazine*, 77 (5) 2452 (Abstract for the 23rd Goldschmidt Conference, Florence, Italy).
- Usuki, T., Lan, C.Y., Tran Trong Hoa, Pham Thi Dung, **Wang, K.-L.**, Chung, S.L., 2013. Zircon U-Pb ages and Hf isotopic constrains on mantle source of felsic magmatism in Phan Si Pan uplift and Tu Le basin, northern Vietnam. LIP (Large Igneous Province) symposium, Hanoi, Vietnam.
- Wang, K.-L.**, Prikhodko, V., O'Reilly, S.Y., Griffin, W.L., Pearson, N.J., Kovach, V., Iizuka, Y., Chien, Y.H. 2013. Proterozoic mantle lithosphere beneath the Khanka massif in Far East Russia: In situ Re-Os evidence. Abstract of the National Symposium on Petrology and Geodynamics, Guangzhou, China, 1-6 Dec., 600 (invited).
- Wang, K.-L.**, Chung, S.L., Lo, Y.M., Lo, C.H., Yang, H.J., Shinjo, R., Lee, T.Y., Wu, J.C., Huang, S.T., 2013. Age and geochemical characteristics of Paleogene basalts drilled from western Taiwan: Records of initial rifting at the southeastern Eurasian continental margin. Abstract V23A-2775 presented at 2013 Fall Meeting, AGU, San Francisco, CA, 9-13 Dec.
- Usuki, T. Lan C.Y., Tran, T.H., Pham, T.D., **Wang, K.-L.**, 2013. Zircon Hf isotopic constraints on the mantle source of felsic magmatic rocks in the Phan Si Pan uplift and Tu Le basin, northern Vietnam. Abstract V13F-2684 presented at 2013 Fall Meeting, AGU, San Francisco, CA, 9-13 Dec.
- Schindlbeck, J.C., Kutterolf, S., Straub, S.M.; Baxter, A.T., Sandoval Gutierrez, M.I., Stroncik, N.A., **Wang, K.-L.**, Exp. 344 Science party, 2013. Miocene to Pleistocene explosive volcanism offshore Costa Rica: Evidence for different sources from IODP Exp. 334, 344 and ODP Exp. 170. Abstract V41D-2821presented at 2013 Fall Meeting, AGU, San Francisco, CA, 9-13 Dec.
- Wang, K.-L.**, Prikhodko, V, O'Reilly, S., Griffin, W., Pearson, N., **Kovach, V.**, Iizuka, Y. Chien, Y.-H., 2014. Proterozoic Mantle Lithosphere beneath the Khanka Massif in Far East Russia: In situ Re-Os Evidence. Abstract for the 24th Goldschmidt Conference, Sacramento CA, US. 8-13 June.
- Xiao, Y., Niu, Y., Zhang, H., **Wang, K.-L.**, Iizuka, Y., Lin, J., Xu, Y., 2014. The Finding of a Titanite-Rich Zone in Omphacite Epidosite and its Geochemical Implication for Subduction-Zone Metamorphism. Abstract for the 24th Goldschmidt Conference, Sacramento CA, US. 8-13 June.
- Wang, K.-L.**, O'Reilly, S.Y. Kuzmin, M. I., **Kovach, V.**, D'Ril, S., Vorontrov, A., Yarmolyuk, V., Griffin, W., Pearson, N., 2014. Ancient continents among the accretionary complexes of the Central Asia Orogenic Belt: in situ Os isotope evidence. Abstract for the 3rd Russian-Taiwan Joint Workshop, Irkutsk, 11-13 Sep.
- Liu, Y.-H., Yang, H.-J., Lee, D.-C., Iizuka, Y., **Wang, K.-L.**, 2014. Phenocryst compositions and textures: unraveling source heterogeneity and crustal processes at

- Lutao arc volcano (N. Luzon Arc). Abstract for the 3rd Russian-Taiwan Joint Workshop, Irkutsk, 11-13 Sep.
- Wang, K.-L.**, O'Reilly, S.Y. Shinjo, R., Griffin, W., Pearson, N., Matsumura, R., 2014. Mantle evidence for ancient relict and juvenile crustal formation in the Arabian-Nubian Shield, a Neoproterozoic accretionary orogeny. Keynote Abstract for 2014 Annual Meeting of Chinese Geoscience Union (CGU), Beijing, 20-23 Oct.
- Shellnutt, J.G., Bhat, G.M., **Wang, K.-L.**, Yeh, M.-W., Brookfield, M., Jahn, B.M., 2014. Multiple mantle sources of the Panjal Traps related to the continental rift-ocean basin transition. Geological Society of America Abstracts with Programs. Vol. 46, No. 6, p.652
- Shellnutt, J.G., Lee, T.-Y., Yang, C.-C., Wu, J.-C., **Wang, K.-L.**, Lo, C.-H., 2014. Late Permian Melt Percolation through the Crust of North-Central Africa and Its Possible Relationship to the African Large Low Shear Velocity Province. Abstract presented at 2014 Fall Meeting, AGU, San Francisco, CA, 15-19 Dec.
- Wang, K.-L.**, O'Reilly, S.Y. Shinjo, R., Griffin, W., Pearson, N., Matsumura, R., 2015. Mantle evidence for ancient relict and juvenile crustal formation in the Arabian-Nubian Shield, a Neoproterozoic accretionary orogeny. Invited Abstract for the 4th Tethys-Tibet Conference, Lhasa, 20 Apr.
- Wang, K.-L.**, Prikhodko, V, O'Reilly, S., Griffin, W., Pearson, N., Kovach, V., Iizuka, Y., 2015. Ancient mantle lithosphere beneath the Khanka massif in Russian Far East: Re-Os evidence for the Siberia affinity. Abstract presented at 2015 AGU Joint Assembly, Montreal, Canada, 3-7 May.
- Wang, K.-L.**, D'Ril, S., O'Reilly, S.Y. Kuzmin, M. I., Griffin, W., Pearson, N., 2015. Composition of the lithospheric mantle beneath the Khamar Daban Ridge, south Russian Siberia: Constraints from mantle xenoliths. Abstract for the 25th Goldschmidt Conference, Prague, Czech. 17-21 August.
- Liang, Y.-H., Siebert, C., Halliday, A.N., Fitton, J.G., Burton, K.W., **Wang, K.-L.** and Harvey, J., 2015. Molybdenum in the mantle. Abstract for the 25th Goldschmidt Conference, Prague, Czech. 17-21 August.
- Wang, K.-L.**, Kuzmin, M. I., O'Reilly, S.Y., Griffin, W., Vorontsov, A., Pearson, N., Chein, Y.-H. 2015. Geochemical fingerprints in Vitim mantle xenoliths reveal progressive upwelling of asthenospheric mantle in late Cenozoic. Abstract of International Conference on LIPs: Mantle plumes and metallogeny in the Earth's history. Irkutsk, Russia. 1-4 September.
- Wang, K.-L.**, Prikhodko, V, O'Reilly, S., Griffin, W., Pearson, N., Kovach, V., Iizuka, Y., 2016. Ancient mantle lithosphere beneath the Khanka massif in Russian Far East: Re-Os evidence for the Siberia affinity. Abstract for 2016 Taiwan Geoscience Assembly, Taipei, May 16-20, U3-3A-06.
- Yang, H.-C. and **Wang, K.-L.**, 2016. Strontium isotopes in the investigation of Iron Age glass beads in Taiwan. Abstract for 2016 Taiwan Geoscience Assembly, Taipei, May 16-20, ST3-3A-01.
- 畢如蓮、游鎮烽、**王國龍**，2016。琉球隱沒對台灣北部與沖繩海槽中部岩漿生成的影響-從硼同位素的證據。2016 台灣地球科學聯合學術研討會，台北，5月16-20日，V2-P-06。
- Wang, K.-L.**, Chu, Z., Gornova, M., Belyaev, V., Lin, K.-Y. and O'Reilly, S.Y., 2016. Depleted SSZ Type Mantle Peridotites in Proterozoic Eastern Sayan Ophiolites in Siberia. Abstract for the 26th Goldschmidt Conference, Yokohama, Japan. 26 June-1 July.
- Belyaev, V.A., Gornova, M.A., **Wang, K.-L.**, Medvedev, A.Y., Dril, S.I. and Karimov, A.A., 2016. Subduction Initiation in Proterozoic: Geochemistry of Mafic-Ultramafic

- Plutonic Suite from Eastern Sayan Ophiolites, Siberia. Abstract for the 26th Goldschmidt Conference, Yokohama, Japan. 26 June-1 July.
- Chiu, H.-Y., Chung, S.-L., Shengelia, D.M., Okrostsvaridze, A., Javakhishvili, Z., Lee, H.-Y. and **Wang, K.-L.**, 2016. Discovery of ANS-Derived Ribbon Continent in Georgian Caucasus: Zircon Hf Isotopic Constraints and Implications for the Cimmerian Orogeny. Abstract for the 26th Goldschmidt Conference, Yokohama, Japan. 26 June-1 July.
- Kutterolf, S., Schindlbeck, J.C., Robertson, A., Avery, A., Baxter, A. and **Wang, K.-L.**, 2016. Tephrochronostratigraphy and Provenance from IODP Expedition 352, Izu-Bonin Arc: Temporal Variations Indicating Tephra Source Changes from the Oligocene to the Holocene. Abstract for the 26th Goldschmidt Conference, Yokohama, Japan. 26 June-1 July.
- Scudder, R.P., Murray, R.W., Schindlbeck, J.C., Kutterolf, S., Underwood, M.B. and **Wang, K.-L.**, 2016. The Importance of Dispersed Volcanic Ash as an Input to the Nankai Subduction Zone. Abstract for the 26th Goldschmidt Conference, Yokohama, Japan. 26 June-1 July.
- Lin, K.-Y. **Wang, K.-L.**, Chung, S.L., Iizuka, Y., Bingöl, A.F., 2016. Suprasubduction Zone Characteristics of the Guleman Ophiolite, SE Turkey: Evidence from Peridotite Geochemistry. Abstract presented at 2016 Fall Meeting, AGU, San Francisco, CA.
- Scudder, R.P., Murray, R.W., Schindlbeck, J.C., Kutterolf, S., Underwood, M.B. and **Wang, K.-L.**, 2016. Quantification and implications of dispersed volcanic ash as an input to the Nankai Subduction Zone. Abstract presented at 2016 Fall Meeting, AGU, San Francisco, CA.
- Schindlbeck, J.C., Straub, S.M., Jegen, M., Corry-Saavedra, K., Murayama, Woodhead, J.D., Kutterolf, S., Vautravers, M. and **Wang, K.-L.**, 2016. Volcanic cyclicities in the Pacific Northwest: insights from the marine tephra record from IODP Expedition 350, Izu Bonin Arc. Abstract presented at 2016 Fall Meeting, AGU, San Francisco, CA.
- Lin, K.-Y. **Wang, K.-L.**, Chung, S.L., Iizuka, Y., Bingöl, A.F., 2017. Suprasubduction Zone Characteristics of the Guleman Ophiolite, SE Turkey: Evidence from Peridotite Geochemistry. Abstract for the 2017 Annual Congress of Chinese Geophysical Society and Geological Society of Taiwan, Tainan, Taiwan, p205.
- Chien, Yu-Hsiang, Chung, Sun-Lin, **Wang, Kuo-Lung**, Ghani, Azman Abdul, Rahmat, Rezal Bin, Iizuka, Yoshiyuki, 2017. Geochemical characteristics of peridotites from the Sabah ophiolite, NE Borneo. Abstract for the 2017 Annual Congress of Chinese Geophysical Society and Geological Society of Taiwan, Tainan, Taiwan, p351.
- Wang, K.-L.**, Gornova, M.A., Kovach, V., Chu, Z., Belyaev, V.A., Lin, K.-Y. and O'Reilly, S.Y., 2017. Remnant Ancient Lithospheric Fragments in Proterozoic Dunzhugur Ophiolites in Southern Siberia. Abstract for the 27th Goldschmidt Conference, Paris, France, 4150.
- 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. Abstract for the 2nd Russia-China International Meeting on CAOB in Irkutsk, Russia.
- 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. Abstract for the 2nd Russia-China International Meeting on CAOB in Irkutsk, Russia.
- 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 Transbaikalian region).

- Abstract for the 2nd Russia-China International Meeting on CAOB in Irkutsk, Russia. *Geodynamics & Tectonophysics* 8(3), 455-459.
- 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). Abstract for the 2nd Russia-China International Meeting on CAOB in Irkutsk, Russia. *Geodynamics & Tectonophysics* 8(3), 565-568.
- 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. Abstract for the 2nd Russia-China International Meeting on CAOB in Irkutsk, Russia.
- 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). Abstract for the 2nd Russia-China International Meeting on CAOB in Irkutsk, Russia.
- Lin, K.-Y. **Wang, K.-L.**, Chung, S.L., Iizuka, Y., Bingöl, A.F., 2017. Geochemical characteristics of peridotites from Guleman and Kizildağ ophiolites, SE Turkey: Implications for a SSZ setting. Abstract presented at 2017 AGU Fall Meeting, New Orleans, LA, US.
- Wang, K.-L.**, D'Ril, S., O'Reilly, S.Y. Kuzmin, M. I., Griffin, W., Pearson, N., 2018. Geochemical characteristics of mantle xenoliths from the Khamar Daban Ridge, south Russian Siberia. Abstract presented at 2018 EGU Meeting, Vienna, Austria.
- Wang K.-L.**, Chu Z., Gornova M.A., Dril S., Belyaev V.A., Lin K.-Y., O'Reilly S.Y., 2018. Depleted SSZ Type Mantle Peridotites in Proterozoic Dunzhugur Ophiolites in the Central Asian Orogenic Belt Indicating Remnant Ancient Lithospheric Fragments. Abstract presented at 2018 AOGS Conference, Hawaii, US.
- Wang, K.-L.**, Lin, K.-Y. Chung, S.L., Iizuka, Y., Chu, Z.-Y., Bingöl, A.F., 2018. Geochemical characteristics of peridotites from Guleman and Kizildağ ophiolites, SE Turkey: Implications for a SSZ setting. Abstract presented at the 2018 Annual Meeting of Geochemical Society of Japan, Okinawa, Japan.
- Kourim F., Rospabé, M., Giampouras, M., Chatterjee, S., Ishii, K., Tamura, A., Dygert, N., Oyanagi, R., **Wang K.-L.**, Benoit, M., Teagle, D. A. H., Takazawa, E., Kelemen, P.B., Coggon, J.A., 2018. First geochemical and mineralogical results of Oman Crust-Mantle transition: holes CM1A and CM2B characterization aboard DV-Chikyu_ Oman Drilling Project, Phase 2 Leg3. Abstract presented at 2018 AGU Fall Meeting, Washington, DC, US.
- Wang, K.L.**, O'Reilly, S.Y., Kovach, V., Dril, S., Kuzmin, M.I., Vorontov, A., Yarmolyuk, V., Prikhodko, V., Iizuka, Y., Griffin, W.L., Pearson, N.J., 2019. Ancient continents among the Central Asia Orogenic Belt: evidence from lithospheric mantle xenoliths. Abstract presented at Workshop 3 Continental Amalgamation and Stabilization of Northeast Asia: Stories before the Stone Age in the Tohoku University, Sendai, Japan.
- Kutterolf, S., Freundt, A., Hansteen, T., Dettbarn, R., Hampel, F., Sievers, C., Wittig, C., Druitt, T., Nomikou, P., McPhi, J., Schindlbeck-Belo, J.C., **Wang K.-L.**, and Lee, H.-Y., 2019. Revisiting the eruptive records of Santorini volcanic field and the Kos-Yali-Nisyros volcanic complex using marine tephra from RV Poseidon cruise 513. Abstract presented at 2019 EGU Meeting, Vienna, Austria.
- Tran, T.-D., **Wang K.-L.**, Kovach, V.P., Kotov, A.B., Velikoslavinsky, S., Lee, H.-Y., and Kuo, L.-W., 2019. Geochemical investigation of mafic rocks from the Archean Olondo greenstone belt on the Aldan Shield, Siberian Craton. Abstract presented at 2019 EGU Meeting, Vienna, Austria.

- Wang, K.L.**, O'Reilly, S.Y., Kovach, V., Dril, S., Kuzmin, M.I., Vorontrov, A., Yarmolyuk, V., Prikhodko, V., Iizuka, Y., Griffin, W.L., Pearson, N.J., 2019. Ancient continents among the Central Asia Orogenic Belt: evidence from lithospheric mantle xenoliths. Abstract for 2019 Taiwan Geoscience Assembly, Taipei, May 14-17. GS-V6-002.
- Chien, Y.-H., **Wang K.-L.**, Chung, S.-L., Ghani, A.A., Iizuka, Y., Lee, H.-Y., 2019. New Age and Geochemical Characteristics of the Mesozoic Ophiolite and Granitoids, East Sabah. Abstract for 2019 Taiwan Geoscience Assembly, Taipei, May 14-17. 16-PP-134.
- Kourim F., Rospabé, M., Giampouras, M., Chatterjee, S., Ishii, K., Tamura, A., Dygert, N., Oyanagi, R., **Wang K.-L.**, Benoit, M., Teagle, D. A. H., Takazawa, E., Kelemen, P.B., Coggon, J.A., 2019. First geochemical and mineralogical results of Oman Crust-Mantle transition: holes CM1A and CM2B characterization aboard DV-Chikyu_ Oman Drilling Project, Phase 2 Leg3. Abstract for 2019 Taiwan Geoscience Assembly, Taipei, May 14-17. GS-V6-004.
- Tran, T.-D., **Wang K.-L.**, Kovach, V., Kotov, A., Velikoslavinsky, S., Popov, N. and Lee, H.-Y., 2019. Geochemical Revisit of Archean Olondo Greenstone Belt in the Aldan Shield, Siberian Craton. Goldschmidt Abstracts, 2019 3411.
- Chien, Y.-H., **Wang K.-L.**, Chung, S.-L., Ghani, A.A., Iizuka, Y., Li, X.-H. and Lee, H.-Y., 2019. Age and Genesis of Sabah Ophiolite Complexes in NE Borneo. Goldschmidt Abstracts, 2019 598.
- Kourim, F., **Wang K.-L.**, Beinlich, A. and Michibayashi, K., 2019. Nature and Mechanisms of Mantle Metasomatism of the Tariat Mantle Xenoliths, Central Mongolia. Goldschmidt Abstracts, 2019 1750.
- Wang, K.-L.**, Lin, K.-Y. Lin, F.-L., and Lee, H.-Y., 2020. Refined conventional ICP-MS methodology for precisely determining bulk-rock trace-element contents (ppb level) of highly-depleted peridotites. Abstract for the 2020 Annual Congress of Chinese Geophysical Society and Geological Society of Taiwan, Taipei.
- Chien, Y.-H., **Wang K.-L.**, Chung, S.-L., Ghani, A.A., Iizuka, Y., and Lee, H.-Y., 2020. Age and genesis of the Mesozoic granitoids and ophiolitic complexes from the Sabah crystalline basement, NE Borneo. Abstract for the 2020 Annual Congress of Chinese Geophysical Society and Geological Society of Taiwan, Taipei.
- Cisneros de León1, A., Schindlbeck-Belo, J. C., Kutterolf, S., Dannisik, M., Schmitt, A. K., Freundt, A., Perez, W., Harvey, J., **Wang, K.-L.**, Lee, H.-Y. 2021. Timing and distribution of the Los Chocoyos supereruption from Atitlán caldera (Guatemala) by zircon ²³⁸U-²³⁰Th and (U-Th)/He double-dating, EGU General Assembly 2021, online, 19–30 Apr 2021, EGU21-16327, <https://doi.org/10.5194/egusphere-egu21-16327>, 2021.
- Kutterolf, S., Freundt, A., Hansteen, T. H., Dettbarn, R., Hampel, F., Sievers, C., Wittig, C., Druitt, T., Nomikou, P., McPhie, J., Pank, K., Schindlbeck-Belo, J. C., **Wang, K.-L.** and Lee, H.-Y.: The medial offshore record of Plinian arc volcanism in the Eastern Aegean Sea: Implications for tephrostratigraphy, correlations, ages and volumes, EGU General Assembly 2021, online, 19–30 Apr 2021, EGU21-3277, <https://doi.org/10.5194/egusphere-egu21-3277>, 2021.

Other publications

1. **Wang, K.L.** , Chung, S.L. and Chen, C.H., 1999. Post collisional magmatism around northern Taiwan and its relation with opening of the Okinawa Trough. Bulletin of the Institute of Earth Sciences, Academia Sinica, December vol., p59-60.

2. **Wang, K.L.** and O'Reilly, S.Y., 2003. Mantle composition and processes beneath the Taiwan Strait, SE Asia. 2002 GEMOC annual report, p33-34.
3. **Wang, K.L.**, O'Reilly, S.Y. and Griffin, W.L., 2004. Taiwan and China are reunited at depth. 2003 GEMOC annual report, p22-23.
4. **Wang, K.L.** 2005. PGE fractionation in mantle sulfides: fingerprints of metasomatic processes. 2004 GEMOC annual report, p30-31.
5. Zhang, M., O'Reilly, S.Y. and **Wang, K.L.**, 2006. Are all mantle plumes in equal Nickel and PGE potential? 2005 GEMOC annual report, p44-45.
6. **Wang, K.L.**, O'Reilly, S.Y. and Griffin, W.L., 2016. Ancient Mantle Lithosphere beneath the Khanka Massif in Far East Russia: In situ Re-Os Evidence 2015 GEMOC annual report, p60-61.
7. 王國龍、鍾孫霖，第八章火成岩與岩漿活動，台灣地質概論，陳文山主編，中華民國地質學會出版（2015），P170-180.