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Associate Scientist

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CV

Education

- 1993: B.Sc., Geological Sciences, Seoul National University, Korea
1996: M.Sc., Geological Sciences, Seoul National University, Korea
Thesis Title: "Metamorphism, thermochronology and P-T-t path of pelitic and mafic schists in the Chungju area, northwestern Ogcheon metamorphic belt, Korea"
Advisor: Moon-sup Cho
2002: Ph.D., Earth and Planetary Science, University of California at Berkeley
Thesis Title: "Improved calibration and applications of the $^{40}\text{Ar}/^{39}\text{Ar}$ dating method"
Advisor: Paul R. Renne

Career Experience

- 2002 - 2003: Assistant Scientist, University of Wisconsin at Madison (*Advisor: Brad Singer*)
2003 - 2005: Postdoctoral Associate, Yale University (*Advisor: Peter Reiners*)
2006 - 2015: Assistant Professor, University of Florida
2015-present: Associate Scientist, University of Florida

Honors and Fellowships

- 1996: Excellent Graduate Student Fellowship: Department of Geological Sciences, Seoul National University
1997-1999: Government Overseas Fellowship: Ministry of Education, Korea

Invited Seminars

- 2005: MIT, University of Glasgow (UK), Korea University
2006: Korea Polar Research Institute, Korea Basic Science Institute
2007: Seoul National University, Yonsei University (Korea)
2008: National University of Colombia at Medellin
2010: Korea Basic Science Institute
2012: National Taiwan University, University of Hong Kong, Academia Sinica (Taiwan),
University of Florida, Korea Polar Research Institute
2015: National University of Colombia at Medellin, EAFIT University, Seoul National University

Professional Service

- 2007: External Reviewer of a Tenure/Promotion Package
2010-present: Editor of *Geosciences Journal*
2011-present: Editor of Journal of the *Petrological Society of Korea*
Journal Reviewer of *Science*, *Nature Communications*, *Earth and Planetary Science Letters*, *Geochimica et Cosmochimica Acta*, *Geology*, *Chemical Geology*, *Sedimentary Geology*, *Meteoritics and Planetary Science*, *Gondwana Research*, *Geological Society of America Bulletin*, *Geological Society of London*, *Geosciences Journal*, *Geophysical Research Letters*, *Journal of Earth Science*

Grant Proposal Reviewer of *NSF Tectonics, Major Research Instrumentation, EAR-Instrumentation and Facilities, Astronomical Sciences, NASA Cosmochemistry, American Chemical Society, EAR-Postdoctoral Fellowship*

Courses Taught (2006-2015)

ESC1000: *Introduction to Earth Sciences* GLY1000: *Exploring Geological Sciences*
GLY2042: *Planetary Geology* GLY5246: *Geochemistry*
GLY5328 (co-teaching): *Advanced Igneous Petrology*

Department Service

Salary Equity/Merit Pay Committee, UF Research Professor Committee

Committee and Mentor Service

Undergraduates: *John Kelley, Anne Wintzer, Patrick Gelato, Alberto Carmenate*

M.Sc. Students: *Annette Farah, Alberto Carmenate, Diego Ramírez, Patrick Gelato, Wenyuan Zhang, Alina Bricker, Mike Kedenburg*

Ph.D. Students: *Margaret Moerchen, Jie Wang, Nichelle Baxter, Jennifer Gifford*

Postdocs, Research Associates and Long-Term Visitors: *Sergio Restrepo, Antonios Marsellos, Jingnan Shan, Ruxin Ding, An Wang, Cesar Vinasco, Hui Xiao, Jian Chang, Yao Xiao*

Outreach Activities

- Host of *UF Student Science Training Program (SSTP)*: supervising multiple Florida high school students in my lab for experiments, presentation and report writing: summers (June-August) of 2011 (*Arkin Buyukozturk*), 2012 (*Ragiv Golla, Sam Muller*), 2013 (*Ryan Saunders, Gabriel Soliman*): Ragiv Golla's presentation received 1st place in the Volusia County Science Fair, Outstanding Science from Embry Riddle University, Special Award from the US Air Force, Runner-up Best in Show
- Active participant and booth organizer of UF Geology Department-hosted annual public outreach at UF Natural History Museum ("Can You Dig It?"): 2007 (total number of attendees = 1117), 2008 (1534), 2009 (1110), 2010 (2043), 2011 (1528), 2012 (1150), 2013 (1607), 2015 (??)
- Judge of *UF Annual Junior Science, Engineering and Humanities Symposium* (2012, 2013), and numerous local school science fairs (2012-*Lincoln Middle, Howard Bishop Middle, 2013-Wiles Elementary*)
- Mentor in *University Minority Mentor Program*: mentoring a first-year minority student: August 2013 – present
- Invited Lecture: *Meteorites and Their Thermal Histories*. presented at American Federation of Mineralogical Societies Convention and Show sponsored by Jacksonville Gem and Mineral Society, Northeast Florida Astronomy Society, September 2013
- Consulting local people for identification of meteorites through meetings, phone conversations and email communications (I have such requests several times a year, and I believe I have handled more than ~100 cases since 2006).

International Activities

I have conducted research in a range of countries including US, Greece, Panama, Colombia, Korea, China, and Australia. Scientists from these countries (1 from Greece, 1 from Panama, 3 from Colombia, 1 from Korea, and 7 from China) either visited or stayed (>6 months) in my lab for experiments and other collaborative works. I presented multiple lectures and posters in Korea (2006, 2007, 2010, 2012, 2015), Colombia (2008, 2015), United Kingdom (2010), Canada (2012), China (2012), Taiwan (2012), and Hong Kong (2012). Also, I visited the new SHRIMP (Sensitive High Resolution Ion Microprobe) Lab in Korea Basic Science Institute for experiments and consultation, and the Korea Polar Research Institute to examine their meteorite collections and to discuss research strategies. Because international collaboration is essential to my research, I continuously develop new

relationships with international scholars.

Refereed Publications

† *first author students, postdocs or visiting scholars in my lab*

(in preparation)

Min K, Cho M, Reiners PW *(in preparation)* Coeval rapid exhumation of Korean Peninsula and opening of East Sea revealed from single-grain (U-Th)/He thermochronometry.

Wang A, Min K, Wang G, Garver JI, Foster DA, Zhang K, Xiang S, Cao K, Liu Y *(in preparation)* Late-Neogene ramp thrusting of the Greater Himalaya Sequence in Nyalam Central Himalaya: Low-T thermochronology and thermo-kinematic modeling.

Shen C, Hu D, Min K, Ratschbacher, Jonckheere R, Yang Z *(in preparation)* Multi-chronometric dating of the Mufushan granitoids: Implications for the post-orogenic evolution of the Xuefengshan Belt and the genesis of intraplate anorogenic magmatism.

(submitted)

Ding R[†], Min K, Zou H *(submitted)* Reconstruction of topographic evolution using low-T thermochronologic data: A case study from coastal mountain system in Southeastern China.

Zhang W[†], Min K, Bryan SE, Foster DA, Fielding CR, Allen C, Kerrison A *(submitted)* Unravelling complicated basin thermal histories from apatite and zircon (U-Th)/He systematics: An example from the Drummond Basin, Queensland (Australia).

(published)-available at <http://scholar.google.com/citations?user=03On4ocAAAAJ&hl=en&oi=ao>

Min K, Farah A, Lee SR, Lee JI (2017) (U-Th)/He ages of phosphates from Zagami and ALHA77005 martian meteorites: Implications to shock temperatures. *Geochimica et Cosmochimica Acta*, v. 196, 160-178.

Wang A, Min K, Wang G (2016) Quaternary channel-focused rapid incision in the Phung Chu-Arun River in Central Himalaya. *Journal of Asian Earth Sciences*, v. 129, 243-253.

Ramirez DA[†], Foster DA, Min K, Montes C, Cardona A, Sadove G (2016) Exhumation of the Panama basement complex and basins: Implications for the closure of the Central American Seaway. *Geochemistry, Geophysics, Geosystems*, v. 17, DOI 10.1002/2016GC006289.

Kim D-E, Seong Y-B, Byun J-M, Weber J, Min K (2016) Geomorphic disequilibrium in the eastern Korean Peninsula: Evidence for reactivation of a rift-flank margin? *Geomorphology*, v. 254, p. 130-145.

Min K (2015) Thermochronology, Meteorites. *Encyclopedia of Scientific Dating Methods*. Rink WJ, Thompson J (Eds), Encyclopedia of Earth Sciences Series, Springer, p. 824-827.

Min K (2014) (U-Th)/He dating: Principles and applications. *Journal of Petrological Society of Korea*, v. 23, p. 239-247.

Marsellos AE[†], Min K, Foster DA (2014) Rapid exhumation of high-pressure metamorphic rocks on Kythera-Peloponnese (Greece) from (U-Th)/He thermochronology. *Journal of Geology*, v. 122, p. 381-396 (DOI 10.1086/675908)

Vogl JJ, Min K, Foster DA, Carmenate A, Marsellos A (2014) Miocene regional hotspot-related uplift, exhumation, and extension north of the Snake River Plain: Evidence from apatite (U-Th)/He thermochronology. *Lithosphere*, v. 6, p. 108-123 (DOI 10.1130/L308.1).

Han R, Min K, Ree J-H, Foster DA (2014) Extensional deformation along the southern boundary of the Gyeonggi Massif, South Korea: Structural characteristics, age constraints and tectonic implication. *International Journal of Earth Sciences (Geol Rundsch)*, DOI 10.1007/s00531-013-0985-2.

Shan J[†], Min K, Nouri A (2013) Thermal effects of scanning electron microscopy on He diffusion in apatite: Implications to (U-Th)/He dating. *Chemical Geology*, v. 345, p. 113-118.

Min K, Reiners PW, Shuster DL (2013) (U-Th)/He ages of phosphates from St. Severin LL6 chondrite. *Geochimica et Cosmochimica Acta*, v. 100, p. 282-296.

- Marsellos AE, Foster DA, Min K, Kidd WSF, Garver J, Kyriakopoulos K (2013) An application of GIS analysis on structural data from metamorphic rocks in Santorini Island. *Bulletin of the Geological Society of Greece*, v. XLVII.
- Lee SY, Min K, Ree J-H, Han R, Jung H (2012) The Geounri shear zone in the Paleozoic Taebaeksan Basin of Korea and its tectonic implications. *Journal of Structural Geology*, v. 42, p. 91-103.
- Shen C, Mei L, Min K, Jonckheere R, Ratschbacher L, Yang Z, Peng L, Liu Z (2012) Multi-method dating of the Huorong granitoids in the Middle Yangtze craton and implications for the tectonic evolution of eastern China. *Journal of Asian Earth Sciences*, v. 52, p. 73-87.
- Yu Y, Doh S-J, Kim W, Min K (2011) Origin of stable remanent magnetization in LL6 chondrite, St. Severin. *Physics of the Earth and Planetary Interiors*, v. 187, p. 292-300.
- Renne PR, Balco G, Mundil R, Ludwig KR, Min K (2011) Response to the comment by W.H. Schwarz et al. on “Joint determination of ^{40}K decay constants and $^{40}\text{Ar}^*/^{40}\text{K}$ for the Fish Canyon sanidine standard, and improved accuracy for $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology” by P. R. Renne et al. (2010). *Geochimica et Cosmochimica Acta*, v. 75, p. 5097-5100.
- Min K, Lee SR (2010) (U-Th)/He dating on Martian meteorites: A review and perspective. *Journal of Petrological Society of Korea*, v. 19, p. 255-267.
- Renne PR, Mundil R, Balco G, Min K, Ludwig KR (2010) Joint determination of ^{40}K decay constants and $^{40}\text{Ar}^*/^{40}\text{K}$ for the Fish Canyon sanidine standard, and improved accuracy for $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology. *Geochimica et Cosmochimica Acta*, v. 74, no. 18, p. 5349-5367.
- Yu Y, Doh S-J, Kim W, Min K (2009) Ancient stable magnetism of the Richardton H5 chondrite. *Physics of the Earth and Planetary Interiors*, v. 177, no. 1-2, p. 12-18.
- Min K, Reiners PW (2007) High-Temperature Mars-to-Earth Transfer of Meteorite ALH84001. *Earth and Planetary Science Letters*, v. 260, no. 1-2, p. 72-85.
- Hu S, Raza A, Min K, Kohn BP, Ketcham RA, Reiners PW, Wang J, Gleadow AJW (2006) Late Mesozoic and Cenozoic thermotectonic evolution along a transect from the north China craton through the Qinling orogen into the Yangtze craton, central China. *Tectonics*, v. 25, TC6009, doi: 10.1029/2006TC001985.
- Min K, Reiners PW, Wolff J, Mundil R, Winters LR (2006) (U-Th)/He dating of volcanic phenocrysts with high-U-Th inclusions, Jemez Volcanic Field, New Mexico. *Chemical Geology*, v. 227, no. 3-4, p. 223-235.
- Min K (2005) Chapter 21. Low-Temperature Thermochronometry of Meteorites. In: Reiners PW and Ehlers T (ed) *Low-Temperature Thermochronology, Reviews in Mineralogy and Geochemistry*, v. 58, p. 567-588.
- Min K, Reiners PW, Nicolescu S and Greenwood JP (2004) Age and temperature of shock metamorphism of Martian meteorite Los Angeles from (U-Th)/He thermochronology. *Geology*, v.32, no. 8, p. 677-680.
- Min K, Farley KA, Renne PR and Marti K (2003) Single grain (U-Th)/He ages from phosphates in Acapulco meteorite and implications for thermal history. *Earth and Planetary Science Letters*, v. 209, no. 3-4, p. 323-337.
- Kwon J, Min K, Bickel PJ and Renne PR (2002) Statistical methods for jointly estimating decay constant of ^{40}K and age of a dating standard. *Mathematical Geology*, v. 34, no. 4, p. 457-474.
- Min K, Renne PR and Huff WD (2001) $^{40}\text{Ar}/^{39}\text{Ar}$ dating of Ordovician K-bentonites in Laurentia and Baltoscandia. *Earth and Planetary Science Letters*, v. 185, no. 1-2, p. 121-134.
- Begemann F, Ludwig KR, Lugmair GW, Min K, Nyquist LE, Patchett PJ, Renne PR, Shih C-Y, Villa IM and Walker RJ (2001) Call for an improved set of decay constants for geochronological use. *Geochimica et Cosmochimica Acta*, v. 65, no. 1, p. 111-121.
- Min K, Mundil R, Renne PR and Ludwig KR (2000) A test for systematic errors in $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology through comparison with U-Pb analysis of a 1.1 Ga rhyolite. *Geochimica et Cosmochimica Acta*, v. 64, no. 1, p. 73-98.
- Min K and Cho M (1998) Metamorphic evolution of the northwestern Ogcheon metamorphic belt, South Korea. *Lithos*, v. 43, no. 1, p. 31-51.
- Cho M, Kim IJ, Kim H, Min K, Ahn J-H and Nagao K (1995) K-Ar biotite ages of pelitic schists in the Jeungpyeong-Deokpyeong area, central Ogcheon metamorphic belt, Korea. *Journal of Petrological Society of Korea*, v. 4, p. 178-185.

Min K, Cho M, Kwon S-T, Kim IJ, Nagao K and Nakamura E (1995) K-Ar ages of metamorphic rocks in the Chungju area: Late Proterozoic (675 Ma) metamorphism of the Ogcheon metamorphic belt. *Journal of Geological Society of Korea*, v. 31, p. 315-327.

Non-Refereed Publications

Min K (2006) Chapter 3. Practical guidelines for $^{40}\text{Ar}/^{39}\text{Ar}$ dating techniques. In: *Korea Polar Research Institute Report*, p. 172-203

Cho M, Min K and Kim H (1994) Metamorphism in the central Ogcheon belt. In: Ree J-H, Cho M, Kwon S-T and Kim JH (ed) *Structure and metamorphism of the Ogcheon Belt-Field Trip Guidebook. IGCP 321 Fourth International Symposium and Field Excursion*, Harn Lim, Seoul, p. 97-120.

Public Press

Yale News Release (2004) Martian meteorite measurements give information on planet evolution.

Yale Daily News (2004) Helium helps trace the origin of Martian meteorite.

EurekAlert (2004) Martian meteorite measurements give information on planet evolution.

Astrobiology Magazine (2004) Yale lock on Martian ages.

Abstracts

Pardo-Trujillo A, Restrepo-Moreno SA, Vallejo F, Flores JA, Min K, Trejos R, Foster D, Barbosa A, Bennett M, Marín-Cerón MI, Kamenov G (2016) Thermotectonic and paleo-environmental constraints from the Western Cordillera and associated sedimentary basins, Northern Andes, Colombia: Establishment of a major orographic barrier and onset of Chocó's hyperpluvial-biodiverse conditions? *Thermochronology Conference*.

Noriega-Londoño S, Restrepo-Moreno SA, Vinasco C, Foster D, Bermúdez M, Bernet M, Min K, Marín-Cerón M, Kamenov G (2016) On the juxtaposition of relict surfaces and deep canyons in the tropical Northern Andes of Colombia: Insight from low temperature thermochronology and geomorphometry. *Thermochronology Conference*.

Vinasco C, Restrepo S, Bermúdez M, Botero M, Noriega S, Marín-Cerón M, Foster D, Min K, Pineda D (2016) Northwestern Andes of Colombia through low temperature quantitative thermochronology approach: Insights to constraint the tectonic Cenozoic evolution of an active continental margin. *Thermochronology Conference*.

Zhang W, Min K, Bryan S, Kerrison A, Allen C, Fielding C (2016) Apatite and zircon (U-Th)/He thermochronology of the Drummond Basin: insights into the thermal history of the northern New England Orogen, *AESC (Australian Earth Sciences Convention)*, 26-30 June.

Noriega S, Restrepo S, Vinasco C, Foster DA, Min K, Bernet M, Marin M, Kamenov G, Botero M (2015) Thermochronologic and geomorphic constraints of Cenozoic uplift in the northwestern Central Cordillera-Colombia, *GSA Meeting*, Baltimore, 1-4 November, Abstract No. 47-26.

Restrepo S, Bernet M, Vinasco C, Foster DA, Marin M, Min K, Parra L (2015) Do U/Pb age distributions on detrital zircon grains from Miocene sedimentary sequences in northern Colombia really imply full closure of the Central Americas Seaway (CAS) and development of a major fluvial connection between Central and south America? *GSA Meeting*, Baltimore, 1-4 November, Abstract No. 47-24.

Marin M, Restrepo S, Bernet M, Foster DA, Min K, Vinasco C, Pardo-Trujillo A, Barbosa A, Kamenov G (2015) The Amaga Formation (Eocene?-Miocene) in the Cauca-Patia depression: A recorder of major morphotectonic and paleogeographic events between the Western and Central Cordilleras, *GSA Meeting*, Baltimore, 1-4 November, Abstract No. 267-10.

Restrepo S, Vinasco C, Foster DA, Min K, Noriega S, Bernet M, Marin M, Bermudez M, Botero M (2015) Cenozoic accretion and morpho-tectonic response in the Northern Andes (Colombia) through low-temperature thermochronology analyses/modeling, *GSA Meeting*, Baltimore, 1-4 November, Abstract No. 47-24.

- Zhang W, Min K, Bryan S (2014) Thermal History of Drummond Basin, Queensland (Australia) from Apatite and Zircon (U-Th)/He Thermochronology, *AGU Fall Meeting*, San Francisco, 15-19 December, Abstract V43D-4923.
- Zhang W, Min K, Bryan S (2014) Provenances and thermal history of the Drummond Basin, Queensland from Markvo Chain Monte Carlo Modeling of radioisotopic data. *AAPG Student Expo Eastern Section*, Columbus, 19-20 September.
- Vogl J, Min K, Foster DA, Gelato P, Carmenate A, Rodgers DW (2014) Widespread 11-9 Ma exhumation along the northern margin of the Snake River Plain revealed through (U-Th)/He thermochronology: A record of normal faulting, flexure, and base-level change. *Geological Society of America Abstracts with Programs*, v. 46, no. 5, Paper No. 32-2.
- Foster DA, Vogl J, Min K, Bricker A, Gelato PW (2013) Middle Miocene hotspot-related uplift, exhumation, and extension north of the Snake River Plain: Evidence from apatite (U-Th)/He thermochronology. *AGU Fall Meeting*, San Francisco, 9-13 December, Abstract T43F-2727.
- Min K (2013) (U-Th)/He dating of Martian meteorites: Shock temperature conditions revisited. *AGU Fall Meeting*, San Francisco, 9-13 December, Abstract T43F-2719.
- Restrepo-Moreno SA, Min K, Barbosa A, Bernet M, Pardo A (2013) Assessing the thermotectonic history of Colombia's Western Cordillera through thermochronology/geochronology in plutonic massifs and sedimentary basins: Tectonic, geomorphic and climatic implications. *Geological Society of America Abstracts with Programs*, v. 45, no. 7, Paper No. 384-10.
- Min K, Lee JI (2013) Thermal histories of chondrites and martian meteorites: Implications for parent body size and ejection dynamics. *From Stars to Life*, Gainesville, FL, 3-6 April, p. 97.
- Restrepo-Moreno SA, Min K, Bernet M, Barbosa A, Marin-Ceron MI, Juliana J, Hardwick E, Pardo A (2013) Thermotectonic history of the Farallones del Citara Batholith (Colombia's Western Cordillera) through multi-system, vertical profile thermochronology/geochronology: Tectonic, geomorphic and climatic implications. *XIV Colombian Geology Conference*.
- Marsellos AE, Foster DA, Min K, Kamenov GD, Kidd WSF, Garver J, Kyriakopoulos K (2012) A structural and thermochronological study of Santorini detachment in Santorini Island, Aegean Sea, *AGU Fall Meeting*, San Francisco, 3-7 December, Abstract T43E-2722.
- Carmenate A, Vogl J, Min K (2012) Low-T thermochronology of south-central Idaho: Interactions between uplift, extension, and hotspot processes. *Geological Society of America Abstracts with Programs*, v. 44, no. 7, p. 548.
- Moreno JF, Foster DA, Montes C, Rooney T, Min K, Kamenov GD, Jaramillo C (2012) Implications of Late Miocene volcanism for closing the Panamanian seaway. *Geological Society of America Abstracts with Programs*, v. 44, no. 7, p. 60.
- Ramirez D, Foster D, Min K, Montes C (2012) Detrital geochronology and low-temperature thermochronology of the Eocene-Oligocene sedimentary rocks exposed in the vicinity of the Panama Canal Basin: Implications for Isthmus evolution, *GSA Abstracts with Programs*, v. 44, no. 7, p. 267.
- Han R, Min K, Ree J-H (2012) Late Triassic-Early Jurassic extensional deformation along the southern boundary of the Gyeonggi Massif, South Korea. *Annual Meeting of Geological Society of Korea*
- Min K (2012) Grain-scale (U-Th)/He thermochronology of meteorites: Advances and problems, *13th Thermochronology Conference*, p. 64 (invited).
- Bricker AL, Foster DA, Min K, Henry DJ, Mogk DW, Mueller PA, Kohn BP, Shan J (2012) Low-temperature thermochronology reveals basement exhumation caused by the Yellowstone hot spot, *13th Thermochronology Conference*, p. 4.
- Shan J, Min K, Nouri A (2012) Thermal effects of SEM analysis on He diffusion: Implications to apatite (U-Th)/He dating, *13th Thermochronology Conference*, p. 74.
- Shan J, Hu SB, Min K, Rao S, Tang XY, Marsellos A, McInnes BA, Evans N (2012) Low-T thermochronology of the northern margin of the South China Sea: Evidence from apatite and zircon (U-Th)/He ages, *13th Thermochronology Conference*, p. 72-73.
- Min K, Lee SR (2012) Current status of phosphate (U-Th)/He thermochronology of meteorites. *Goldschmidt Conference*, Abstract P17H-160.

- Shan J, Min K, Nouri A (2012) Thermal effect of SEM analysis on (U-Th)/He ages: Examples from Durango apatite. *Goldschmidt Conference*, Abstract P17H-157.
- Bricker AL, Foster DA, Henry DJ, Mogk DW, Mueller PA, Min K, Shan J (2012) Precambrian geology of Yellowstone National Park (YNP) and surrounding areas: Exhumation of Precambrian gneisses and apatite (U-Th)/He ages, *Geological Society of America Abstracts with Programs*, v. 44, no. 6, p. 71.
- Farah AE, Min K (2011) Phosphate (U-Th)/He thermochronology of Zagami and ALH77005 Martian meteorites. *42nd Lunar and Planetary Science Conference*, Abstract 2726.
- Min K, Reiners PW, Shuster D (2011) Low-T thermochronology of St. Severin LL6 chondrite revealed from single grain (U-Th)/He ages. *42nd Lunar and Planetary Science Conference*, Abstract 2683.
- Doh S, Yu Y, Kim W, Min K (2010) Magnetic Properties of LL6 Ordinary Chondrite St. Severin. *EOS Trans. AGU*, v. 91, no. XX, Fall Meeting Suppl., Abstract, GP43B-1048.
- Min K, Reiners PW, Shuster D (2010) Single-Grain (U-Th)/He Ages of Phosphates from St. Severin Chondrite. *EOS Trans. AGU*, v. 91, no. XX, Fall Meeting Suppl., Abstract P14C-04.
- Vogl J, Carmenate A, Min K, Rodgers DW, Fanning M (2010) Extensional and Cooling History of the Pioneer Core Complex, South-Central Idaho: Long-Lived Episodic Extension and Implications for Regional Patterns of Extension. *Geological Society of America Abstracts with Programs*, v. 42, no. 5, p. 595.
- Min K, Cho M, Reiners P (2010) Coeval exhumation of Korean Peninsula and opening of East Sea revealed from single-grain (U-Th)/He thermochronology. *Thermochronology Conference* (Glasgow), p. 251.
- Renne PR, Mundil R, Balco G, Min K, Ludwig KR (2009) Simultaneous determination of 40K decay constants and age of the Fish Canyon sanidine ⁴⁰Ar/³⁹Ar standard. *Geological Society of America Abstracts with Programs*, v. 41, no. 7, p. 421.
- Lee SY, Ree J-H, Han R, Min K (2009) The Geounri Shear Zone in the Paleozoic Taebaeksan Basin of Korea and Its Tectonic Implication. *EOS Trans. AGU*, v. 90, no. 52, Fall Meeting Suppl., Abstract T33C-1929.
- Min K, Cho M, Reiners P (2008) Exhumation History of the Taebaek Mountain Range in Korean Peninsula: Implications for Miocene Tectonic Evolution of East Asia. *EOS Trans. AGU*, v. 89, no. 53, Fall Meeting Suppl., Abstract T53B-1922.
- Doh S, Yu Y, Kim W, Min K (2008) Magnetic Properties of Richardton Meteorite. *Asia Oceania Geosciences Society (AOGS)*, Abstract PS11-A005.
- Yu Y, Doh S, Kim W, Min K (2007) Paleomagnetism of ~4551 Ma old Richardton chondrite. *EOS Trans. AGU*, v. 88, no. 52, Fall Meeting Suppl., Abstract GP21B-0502.
- Mundil R, Renne PR, Min K, Ludwig KR (2006) Resolvable miscalibration of the ⁴⁰Ar/³⁹Ar geochronometer. *EOS Trans. AGU*, v. 87, no. 52, Fall Meeting Suppl., Abstract V21A-0543.
- Min K, Reiners PW (2006) High-Temperature Mars-to-Earth Transfer of Meteorite ALH84001. *EOS Trans. AGU*, v. 87, no. 52, Fall Meeting Suppl., Abstract P51A-1188.
- Renne PR, Mundil R, Min K, Ludwig KR (2005) Intercalibration of the U-Pb and ⁴⁰Ar/³⁹Ar Geochronometers: Status, Prognosis, and Proscription. *Geochimica et Cosmochimica Acta*, Suppl. 1, v. 69, no. 10, p. A321.
- Min K, Reiners PW (2005) Low-temperature thermal history of Martian meteorite ALH84001 from (U-Th)/He thermochronometry. *41st Lunar and Planetary Science*, Abstract 2214.
- Min K, Reiners PW, Nicolescu S, Wolff JA, Mundil R, Winters LR (2004) (U-Th)/He dating of volcanic phenocrysts with high-(U-Th) inclusions, Bandelier Tuff, New Mexico. *EOS Trans. AGU*, v. 85, no. 47, Fall Meeting Suppl., Abstract V43E-1450.
- Min K, Reiners PW, Nicolescu S, Greenwood JP (2003) (U-Th)/He dating of merrillites and chlorapatites from Martian meteorite Los Angeles. *EOS Trans. AGU*, v. 84, no. 46, Fall Meeting Suppl., Abstract V32C-1031.
- Kurt M, Kim Y, Min K, Renne PR and Farley KA (2002) Acapulco recorded an early asteroidal heat pulse. *Geochimica et Cosmochimica Acta*, Suppl. 1, v. 66, p. A487.
- Min K, Farley KA and Renne PR (2001) Single grain (U-Th)/He ages from apatites in Acapulco meteorite. *EOS Trans. AGU*, v. 82, no. 47, Fall Meeting Suppl., Abstract V22C-1059.
- Renne PR, Min K, Schmitz MD, Bowring SA, de Wit MJ and Morelli C (2001) Comparison between ⁴⁰Ar/³⁹Ar and U/Pb geochronometers at 2.1 Ga. *EOS Trans. AGU*, v. 82, no. 47, Fall Meeting Suppl., Abstract V42F-08.
- Mundil R, Ludwig KR, Renne PR and Min K (2001) How reliable are “High-Resolution” radio-isotopic ages? *Geological Society of America Abstracts with Programs*, v. 33, (135-0).

- Min K, Mundil R and Renne PR (2000) $^{40}\text{Ar}/^{39}\text{Ar}$ and U/Pb ages for the Paterson volcanics, Australia: A test for systematic errors. *EOS Trans. AGU*, v. 81, no. 48, Fall Meeting Suppl., Abstract V21D-26.
- Renne PR, Min K, Mundil R, Ludwig KR and Huff WD (2000) High precision $^{40}\text{Ar}/^{39}\text{Ar}$ data for Ordovician bentonites reveal resolvable bias between K-Ar and U-Pb calibrations. *EOS Trans. AGU*, v. 81, Spring Meeting Suppl., Abstract V61A-05 (Invited).
- Min K, Kwon J., Renne PR and Bickel P (2000) Regression model and maximum likelihood method for simultaneous estimation of ^{40}K decay constants and age of a standard. *EOS Trans. AGU*, v. 81, Spring Meeting Suppl., Abstract V61A-06.
- Cho M, Kim H, Lo C-H, Min K and Ahn JH (2000) Polycyclic orogeny in central Ogcheon Metamorphic Belt, Korea: Evidence from $^{40}\text{Ar}/^{39}\text{Ar}$ hornblende ages. *Geological Society of Australia*, v. 59, p. 80.
- Renne PR, Ludwig KR, Mundil R and Min K (1999) How "absolute" are radioisotopic ages? *Actas II South American Symposium on Isotope Geology*, p. 552-555.
- Renne PR, Mundil R, Min K and Ludwig KR (1999) Progress report on high-resolution comparison of argon/argon and uranium/lead systems. *9th Annual V.M. Goldschmidt Conference*, p. 243-244.
- Cho M, Kim H, Lo C-H, Min K and Ahn JH (1999) Ordovician (or "Caledonian") Okchon orogeny : Evidence from $^{40}\text{Ar}/^{39}\text{Ar}$ hornblende ages. *Geological Society of Korea*, v. 66.
- Min K, Mundil R, Renne PR and Ludwig KR (1998) Evaluating the decay constants of K: Implications from high precision Ar/Ar and U-Pb dating of a 1.1 Ga rhyolite. *EOS Trans. AGU*, v. 79, Fall Meeting Suppl., Abstract V72A-04.
- Renne PR and Min K (1998) $^{40}\text{Ar}/^{39}\text{Ar}$ dating of the 79 AD eruption of Vesuvius: An ab initio basis for improved accuracy in $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology. *Mineral. Magazine* v. 62A, p.1255-1256.
- Renne PR, Deino AL, Sharp WD, and Min K (1998) $^{40}\text{Ar}/^{39}\text{Ar}$ dating of the 79 AD eruption of Vesuvius and some implications. *AGC/GAC * AMC/MAC * APGGQ* v. 23, p. A-154.
- Min K and Cho M (1996) Metamorphic evolution of pelitic and mafic schists in the Chungju area, northwestern Ogcheon metamorphic belt, Korea. *30th International Geological Congress*, p. 583.
- Min K, Cho M, Kwon S-T, Kim IJ, Nagao K and Nakamura E (1995) K-Ar ages of metamorphic rocks in the Chungju area: Late Precambrian (675 Ma) metamorphism of the Ogcheon belt. *Journal of Petrological Society of Korea*, v. 4, p. 20.
- Min K and Cho M (1994) Metamorphic evolution of meta-sedimentary and amphibolitic rocks in the Chungju area, central Ogcheon belt. *Journal of Petrological Society of Korea*, v. 3, p. 12.