

ABSTRACTS

[underline : student, † : graduate student advisee, § undergraduate student advisee, # postdoc]

- Chang, K.W., H. Yoon, **Y. Kim**, M. Lee, Operational and geological controls of hydro-mechanical coupling effects on induced earthquakes in Pohang, South Korea, Abstract T002-0010 presented at Fall AGU meeting (virtual), 1–17 December 2020. [Poster]
- Xi, Z., M. Chen, T. Zhou, B. Wang, **Y. Kim**, Slab Thinning Controls the Distribution of Large Deep Intraslab Earthquakes in the Western Pacific Subduction Zones, Abstract T018-0021 presented at Fall AGU meeting (virtual), 1–17 December 2020. [Poster]
- Kawano, Y., T. Isse, A. Takeo, H. Kawakatsu, H. Shiobara, N. Takeuchi, H. Sugioka, **Y. Kim**, H. Utada, S.-M. Lee, Seismic structure of the lithosphere-asthenosphere system beneath the oldest seafloor – the broadband dispersion analysis of the Oldest-1 (Pacific Array) data, Abstract DI013-03 presented at Fall AGU meeting (virtual), 1–17 December 2020. [Poster]
- Kim, H., K. Baba, H. Utada, H. Shimizu, S.-M. Lee, H. Kawakatsu, **Y. Kim**, Oldest-1 Science Team, Preliminary 1-D Electrical Conductivity Structure of Oldest Oceanic Mantle from Magnetotelluric Observation, Pacific Array Project, Abstract DI012-0007 presented at Fall AGU meeting (virtual), 1–17 December 2020. [Poster]
- † Kang, H., **Y. Kim**, S.-H. Hung, P. Lin, T. Isse, H. Shiobara, H. Kawakatsu, S.-M. Lee, H. Utada, N. Takeuchi, H. Sugioka, Upper Mantle P-wave Velocity Structure beneath the Oldest Pacific Ocean Basin from Finite-frequency P-wave Traveltime Tomography, Abstract DI012-0008 presented at Fall AGU meeting (virtual), 1–17 December 2020. [Poster]
- Isse, T., H. Kawakatsu, S. Hajime, N. Takeuchi, H. Sugioka, **Y. Kim**, H. Utada, S.-M. Lee, K. Yoshizawa, Three dimensional shear wave structure in the upper mantle beneath the oldest Pacific plate, Abstract DI012-0009 presented at Fall AGU meeting (virtual), 1–17 December 2020. [Poster]
- † Yun, J., **Y. Kim**, R.W. Clayton, Spatial variation and frequency dependence of Lg wave attenuation along the CCSE array, and the impact of site response on Lg Q structure in central California, US, Abstract 8-1 presented at 2020 Fall Joint Conference of the Geological Sciences (virtual meeting), 27–29 October 2020. [Oral – **Best Presentation Award**]
- Heo, D., T.-S. Kang, K.-H. Kim, J. Rhie, **Y. Kim**, J.-H. Rhee, Construction of earthquake monitoring system for the seismic network in Gyeongju, Abstract 8-11 presented at 2020 Fall Joint Conference of the Geological Sciences (virtual meeting), 27–29 October 2020. [Oral]
- † Kim, J., **Y. Kim**, Detecting pore-fluid pressure changes with shear wave splitting measurements at Groningen gas field, Netherlands, Abstract 8-1 presented at 2020 Fall Joint Conference of the Geological Sciences (virtual meeting), 27–29 October 2020. [Poster – **Best Presentation Award**]
- † Park, J.Y., **Y. Kim**, T. Isse, K.-H. Kim, H. Shiobara, H. Kawakatsu, S.-M. Lee, H. Utada, N. Takeuchi, H. Sugioka, Detection and location of local earthquakes in the oldest Pacific plate using the Oldest-1 (Pacific Array) data, Abstract 8-2 presented at 2020 Fall Joint Conference of the Geological Sciences (virtual meeting), 27–29 October 2020. [Poster]
- # Lim, H., **Y. Kim**, F.-C. Lin, Fault zone structure imaged by teleseismic receiver function with geophone array in Clark fault, California, Abstract 8-3 presented at 2020 Fall Joint Conference of the Geological Sciences (virtual meeting), 27–29 October 2020. [Poster]
- † Yun, J., **Y. Kim**, R.W. Clayton, Spatial variation and frequency dependence of Lg wave attenuation with site response correction along the CCSE array in central California, US, 2020 KSEG meeting (virtual meeting), 24 September 2020. [Oral]
- # Lim, H., **Y. Kim**, J.-H. Ree, T.-S. Kang, K.-H. Kim, J. Rhie, Application of seismic array processing to assess station quality in Gyeongju, South Korea, 2020 KSEG meeting (virtual meeting), 24 September 2020. [Oral]
- Kawano, Y., T. Isse, A. Takeo, H. Kawakatsu, N. Takeuchi, H. Shiobara, **Y. Kim**, H. Utada, S.-M. Lee, The seismic structure of the oldest Pacific: Preliminary results from the broadband Rayleigh-wave dispersion analysis of Pacific Array, Oldest-1, JpGU-AGU Joint Meeting 2020 (virtual meeting), 15 July 2020. [iPoster]
- Utada, H., S.-S. Kim, **Y. Kim**, H. Shiobara, K. Baba, T. Isse, H.J. Kim, H. Kim, H. Sugioka, N. Takeuchi, Y. Kawano, H. Kawakatsu, S.-M. Lee, and onboard scientists of 2018/2019 Oldest cruises by R/V Isabu and R/V Onnuri, The Oldest

- Array: Japan-Korea Pacific Array collaboration to study the lithosphere-asthenosphere system below the oldest part of the Pacific Ocean, JpGU-AGU Joint Meeting 2020 (virtual meeting), 15 July 2020. [iPoster]
- Isse, T., H. Kawakatsu, H. Shiobara, N. Takeuchi, H. Sugioka, **Y. Kim**, H. Utada, S.-M. Lee, K. Yoshizawa, Three dimensional shear wave structure in the upper mantle beneath the oldest Pacific plate, JpGU-AGU Joint Meeting 2020 (virtual meeting), 15 July 2020. [iPoster]
- Kim, H., K. Baba, H. Utada, S.-M. Lee, H. Kawakatsu, **Y. Kim**, The Electrical Conductivity Structure of The Oldest Pacific: Preliminary Results from Magnetotelluric Observation Data of Pacific Array, Oldest-1, JpGU-AGU Joint Meeting 2020 (virtual meeting), 15 July 2020. [iPoster]
- † Kang, H., **Y. Kim**, S.-H. Hung, P.-Y. Lin, T. Isse, H. Shiobara, H. Kawakatsu, S.-M. Lee, H. Utada, N. Takeuchi, Seismic velocity structure beneath the oldest region of the Pacific ocean basin from multiscale finite-frequency travelttime tomography, JpGU-AGU Joint Meeting 2020 (virtual meeting), 15 July 2020. [iPoster]
- Humphreys, E., Castellanos, J., Clayton, R.W., Perry-Houts, P., **Kim, Y.**, Niday, B., Stanciu, C. Northwest U.S. crustal seismic anisotropy suggests crustal flow driven by vertical loads in the underlying mantle, Abstract EGU2020-12438 presented at EGU General Assembly 2020 (virtual meeting), 7 May 2020. [Oral]
- Kawakatsu, H., Utada, H., Lee, S.-M., **Kim, Y.**, Shiobara, H., Takeuchi, N., Baba, K., Isse, T., Takeo, A., Kim, H. Oldest Array (Pacific Array on the oldest seafloor), the first result, Abstract EGU2020-2088 presented at EGU General Assembly 2020 (virtual meeting), 4 May 2020. [Poster]
- † Lim, H., **Kim, Y.**, Deng, K., Ree, J., Song, T. 2017 Mw 5.4 Pohang earthquake, South Korea and poroelastic stress change associated with fluid injection, Abstract T31E-0330 presented at Fall AGU meeting, San Francisco, CA, US, 11 December 2019. [Poster]
- Xi, Z., Chen, M., Zhou, T., Wang B., **Kim, Y.** Towards a Refined 3D Model of the Western Pacific Slab to Investigate the Nature of Deep Earthquakes, Abstract T21F-0384 presented at Fall AGU meeting, San Francisco, CA, US, 10 December 2019. [Poster]
- Shen, X., **Kim, Y.**, Song, T.-R., Lim, H. Data-oriented constraint on the interpretation of S receiver function and its application to observations of seismic discontinuities in the lithosphere-asthenosphere system, Abstract DI13C-0019 presented at Fall AGU meeting, San Francisco, CA, US, 9 December 2019. [Poster]
- Kawakatsu, H., Gaherty, J. B., Utada, H., Lee, S.-M., **Kim, Y.**, Eilon, Z. New progress in building Pacific Array: an international collaboration to image mantle dynamic processes across the Pacific basin, Abstract DI11A-01 presented at Fall AGU meeting, San Francisco, CA, US, 9 December 2019. [Invited oral]
- † Kim, E., **Kim, Y.**, Mainprice, D., Modeling the anisotropic seismic velocities using the effective medium theory for interpreting seismic characteristics of crustal and mantle rocks, Annual Meeting of the Geological Society of Korea and 2019 Fall Joint Conference of the Geological Sciences, Jeju, S. Korea, Oct. 23–26, 2019 (presentation on Oct. 24). [Oral – **Best Presentation Award**]
- † Yun, J., **Kim, Y.**, Clayton, R.W., Spatial variation of the Lg wave attenuation along the CCSE array in central California, The 74th Annual Meeting of the Geological Society of Korea and 2019 Fall Joint Conference of the Geological Sciences, Jeju, S. Korea, Oct. 23–26, 2019 (presentation on Oct. 24). [Poster]
- † Kang, H., **Kim, Y.**, Rhie, J., Kang, T.-S., Seismic Crustal Structure Beneath Jeju Volcanic Island, South Korea, 4th International Conference on Earthquake Early Warning, Seoul, Sep. 4–6, 2019 (presentation on Sep. 5). [Poster]
- † Kim, E., **Kim, Y.**, Mainprice, D., Modeling the anisotropic seismic properties of cracked materials using the effective medium theory with MATLAB-based software, 4th International Conference on Earthquake Early Warning, Seoul, Sep. 4–6, 2019 (presentation on Sep. 5). [Poster]
- † Lim, H., Jang, H., **Kim, Y.**, Clayton, R.W., Thurber, C., Seismic structure of the Nazca Plate subduction zone in southern Peru, 4th International Conference on Earthquake Early Warning, Seoul, Sep. 4–6, 2019 (presentation on Sep. 5). [Poster]
- † Kang, H., **Kim, Y.**, Rhie, J., Kang, T.-S., Seismic Crustal Structure Beneath Jeju Volcanic Island, South Korea, AOGS 16th Annual Meeting, Singapore, Jul 28–Aug 2, 2019 (presentation on July 29). [Oral]
- Utada, H., Kim, S.-S., Shiobara, H., Baba, K., Isse, I., Takeuchi, N., Kim, H., Kawakatsu, H., **Kim, Y.**, Lee, S.-M., and onboard scientists of the 2018 Oldest cruise by R/V Isabu, The oldest array: Japan-Korea collaboration to study the lithosphere-

- asthenosphere system below the oldest part of the Pacific ocean, 27th IUGG Genera Assembly, Montreal Canada, July 8–18, 2019 (presentation on July 16). [Poster]
- † Lim, H., **Kim, Y.**, Deng, K., Ree, J., Song, T, Kim, K.-H. 2017 Mw 5.4 Pohang earthquake, South Korea and poroelastic stress change associated with fluid injection, Abstract presented at the 2nd Korea Geoscience Union meeting, Pyungchang, Korea, 4 July 2019. [Poster]
- † Jang, H., **Y. Kim**, R.W. Clayton, Seismic attenuation structure beneath Nazca Plate subduction zone in southern Peru, 2019 Seismological Society of America Annual Meeting, Seattle, Washington, April 22–26, 2019. [Oral]
- Castellanos, J. C., R.W. Clayton, **Y. Kim**, E.D. Humphreys, Imaging the crust and upper mantle beneath Columbia River flood basalts with ambient seismic noise, regional and tele seismic events and converted phases, 2019 Seismological Society of America, Annual Meeting, Seattle, Washington, April 22–26, 2019. [Oral]
- † E. Kim, **Y. Kim**, D. Mainprice, Modeling the anisotropic seismic properties of rocks using mineral composition and microstructure based on effective medium theory with MATLAB software, 2019 Joint Conference of the Geological Science & Technology of Korea, 17–19 April 2019. [Oral]
- † E. Kim, **Y. Kim**, D. Mainprice, Calculating the anisotropic seismic properties of a polycrystalline aggregate using self-consistent approximation with a MATLAB software, EGU2019-11762 presented at EGU General Assembly 2019, Vienna, Austria, 10 April 2019. [Poster]
- J.-H. Ree, Kim, K.-H., S. Kim, H. Lim, W. Seo, **Y. Kim**, Fluid-driven reactivation of unfavorably oriented faults for the 2017 Pohang earthquake sequence, EGU2019-5043 presented at EGU General Assembly 2019, Vienna, Austria, 9 April 2019. [Poster]
- Kim, K.-H., J.-H. Ree, **Y. Kim**, S. Kim, S.Y. Kang, W. Seo, The 15 November 2017 Pohang earthquake, Abstract Book, presented at Third Schatzalp Workshop on Induced Seismicity, Davos, Switzerland, 5–8 Mar. 2019. [Poster]
- J.-H. Ree, Kim, K.-H., S. Kim, H. Lim, W. Seo, **Y. Kim**, Reactivation of unfavorably-oriented faults for the 2017 Pohang earthquake sequence: driven by fluid overpressure?, Abstract Book, presented at Third Schatzalp Workshop on Induced Seismicity, Davos, Switzerland, 5–8 Mar. 2019. [Poster]
- † Jang, H., **Y. Kim**, R.W. Clayton, Seismic attenuation structure beneath Nazca Plate subduction zone in southern Peru, Abstract DI43C-2169 presented at Fall AGU meeting, Washington D.C., US, 13 December 2018. [Poster]
- Ding, S. S. Ni, **Y. Kim**, X. He, A study of crust-mantle transition zone based on Pn waveforms: Application to tectonic affinity between eastern China and southern Korean Peninsula, Abstract T43F-3683 presented at Fall AGU meeting, Washington D.C., US, 13 December 2018. [Poster]
- Kim, M., T.-S. Kang, H. J. Yoo, J. Rhie, **Y. Kim**, K.-H. Kim, Y. Park, Development of an automatic analysis algorithm for dense temporary seismic network and its application to the 2016 M_L 5.8 Gyeongju earthquake sequence, Korea, Abstract S33E-3573 presented at Fall AGU meeting, Washington D.C., US, 12 December 2018. [Poster]
- Ree, J.-H., K.-H. Kim, S. Kim, **Y. Kim**, H. Lim, Rupture propagation and segmentation of the 2017 Pohang earthquake, Abstract S23B-3139 presented at Fall AGU meeting, Washington D.C., US, 11 December 2018. [Poster]
- Kim, K.-H., J.-H. Ree, **Y. Kim**, S. Kim, S.Y. Kang, W. Seo, The 15 November 2017 Pohang earthquake, Abstract S23B-3132 presented at Fall AGU meeting, Washington D.C., US, 11 December 2018. [Poster]
- † Lim, H., **Kim, Y.**, Deng, K., Ree, J., Song, T. 2017 Mw 5.4 Pohang earthquake, South Korea and poroelastic stress change associated with fluid injection, Abstract S23B-3141 presented at Fall AGU meeting, Washington D.C., US, 11 December 2018. [Poster]
- † E. Kim, **Y. Kim**, J.-H. Ree, D. Mainprice, H. Lim, Towards Modeling the Seismic Velocity Structure of the Pohang Enhanced Geothermal System Site in Korea, Abstract S23B-3142 presented at Fall AGU meeting, Washington D.C., US, 11 December 2018. [Poster]
- Lee, S.-J., J. Rhie, S. Kim, T.-S. Kang, **Y. Kim**, J. Han, Upper crustal shear wave velocity and radial anisotropy beneath Jeju Island from ambient noise tomography, Abstract DI13B-1740 presented at Fall AGU meeting, Washington D.C., US, 11 December, 2018. [Poster] Washington D.C., US, 10 December 2018. [Poster]
- † Kang, H., **Y. Kim**, Crustal and uppermost mantle structure of Nazca plate beneath southern Peru using teleseismic P-receiver functions, Abstract DI13B-1724 presented at Fall AGU meeting, Washington D.C., US, 10 December 2018. [Poster]

- † Lim, H., **Y. Kim**, T.-R. Song, X. Shen, Measurement of seismometer orientation using the tangential P-wave receiver function based on harmonic decomposition, 2018 KSEG meeting. [Oral]
- † Lim, H., **Y. Kim**, T.-R. Song, X. Shen, Measurement of seismometer orientation using the tangential P-wave receiver function based on harmonic decomposition, Abstract SE28-A010 presented at 2018 AOGS meeting, Hawaii, US, 7 June. [Poster]
- Lee, S.-J., J. Rhie, S. Kim, T.-S. Kang, **Y. Kim**, Upper Crustal Isotropic and Anisotropic Shear-wave Velocity Structures Beneath Jeju Island from Ambient Noise Tomography, Abstract SE03-A041 presented at 2018 AOGS meeting, Hawaii, US, 7 June. [Poster]
- † Jang, H., **Y. Kim**, R.W. Clayton, Seismic attenuation structure beneath Nazca Plate subduction zone in southern Peru, Abstract SE02-A051 presented at 2018 AOGS meeting, Hawaii, US, 6 June. [Oral]
- † Lim, H., **Y. Kim**, R.W. Clayton, C. H. Thurber, Seismic imaging of southern Peruvian subduction zone: velocity heterogeneity in the Nazca slab and mantle wedge, Abstract SE08-A011 presented at 2018 AOGS meeting, Hawaii, US, 5 June. [Oral]
- Shen, X., **Y. Kim**, T.-R. Song, H. Lim, Construction of stable S receiver function and its application to observations of seismic discontinuities in the lithosphere-asthenosphere system beneath South Korea, Abstract SIT28-P08 presented at 2018 JpGU-AGU joint meeting, Japan, 22 May. [Poster]
- † Kang, H., **Kim, Y.**, Rhie, J., Kang, T.-S., Seismic Crustal Structure Beneath Jeju Volcanic Island, South Korea, Spring Meeting of KSEG, May 10, 2018. [Poster – **Best Presentation Award**]
- Ree, J.-H., K.-H. Kim, **Y. Kim**, 2017 M5.4 earthquake in Pohang and anthropogenic activities. 2018 Joint international conference of the geological science & technology of Korea, Apr. 19, 2018. [Oral]
- Kim, K.-H., W. Seo, J. Han, S. Y. Kang, J.-H. Ree, T.-S. Kang, J. Rhie, **Y. Kim**, The 15 November 2017, Mw 5.4, Pohang earthquake in Korea: fluid induced?, Abstract EGU2018-5740-1, Vol. 20, presented at 2018 EGU General Assembly, Vienna, Austria, 13 Apr. 2018. [Poster]
- † Jang, H., **Y. Kim**, R.W. Clayton, Seismic attenuation structure beneath Nazca Plate subduction zone in southern Peru, Abstract T31D-0663 presented at 2017 AGU meeting, New Orleans, 13 Dec. [Poster]
- Park, J., T.-S. Kang, K.-H. Kim, J. Rhie, **Y. Kim**, Making initial earthquake catalogs from a temporary seismic network for monitoring aftershocks, Abstract S21B-0703 presented at 2017 AGU meeting, New Orleans, 12 Dec. [Poster]
- Keranen, K.M., D. Kim, G.A. Abers, **Y. Kim**, J. Li, D.J. Shillington, L.D. Brown, High-resolution imaging of the low velocity layer in Alaskan subduction zone with scattered waves and interferometry, Abstract T14B-08 presented at 2017 AGU meeting, New Orleans, 11 Dec. [Oral]
- Heo, D., J. Park, T.-S. Kang, J. Rhie, **Y. Kim**, K.-H. Kim, Quality control of temporary dense broadband seismic network deployed for aftershock monitoring, Abstract S11C-0595 presented at 2017 AGU meeting, New Orleans, 11 Dec. [Poster]
- Kang, T.-S., K.-H. Kim, J. Rhie, **Y. Kim**, The 12 September 2016 ML 5.8 Gyeongju, Korea, earthquake: Observation and questions, Abstract **SSS08-04** presented at 2017 JpGU-AGU joint meeting, Japan, 20 Dec. [Poster]
- § Kim, H., **Y. Kim**, Lithospheric structure of East Sea of Korea from teleseismic receiver functions: Seismic evidence of ancient back-arc basin opening, Abstract SIT29-P01 presented at 2017 JpGU-AGU joint meeting, Japan, 23 May. [Poster]
- † Jang, H., **Y. Kim**, R.W. Clayton, Seismic attenuation structure beneath Nazca Plate subduction zone in S. Peru, Abstract SIT28-P04 presented at 2017 JpGU-AGU joint meeting, Japan, 20 May. [Poster]
- † Jang, H., N. Fuji, D. Fernandez-Blanco, **Y. Kim**, K. Konishi, S.-M. Lee, S. Yuan, Quasi-3D seismological imaging of Caroline plate using Monte-Carlo waveform inversion of teleseismic SS phases, Abstract SIT23-03 presented at 2017 JpGU-AGU joint meeting, Japan, 21 May. [Oral]
- † Lim, H., **Y. Kim**, F.-C. Lin, Fault zone structure imaged by teleseismic receiver function with geophone array in Clark fault, California, Spring Meeting of Korea Society of Earth and Exploration Geophysics, Inha University, Korea, 11 May 2017. [Poster – **Best Presentation Award**]
- § Kim, H., **Y. Kim**, Seismic anisotropy of oceanic islands in East Sea of Korea from P-receiver functions: Implication for tectonic origin of the backarc basin, EGU2017-3447 presented at 2017 EGU, Vienna, 28 Apr 2017. [Poster]
- † Lim, H., **Y. Kim**, T.-R. Song, X. Shen, Orientations of borehole seismic stations in South Korea, 2017 Joint Conference of the Geological Science & Technology of Korea, Gyeongju, Korea, 19–21 Apr, 2017. [Oral]
- † Hyung, S., **Y. Kim**, Teleseismic Constraints on Crustal structure of the Grenville Province in eastern North America, 2017 Joint Conference of the Geological Science & Technology of Korea, Gyeongju, Korea, 19–21 Apr, 2017. [Poster]

- † Kim, E., D. Toomey, E. Hooft, W. Wilcock, R. Weekly, S.-M. Lee, **Y. Kim**, Joint inversion for Vp/Vs structure of the upper oceanic crust beneath the Endeavour segment of the Juan de Fuca Ridge, Abstract T13B-2720 presented at 2016 Fall Meeting, AGU, San Francisco, Calif., 12–16 Dec. [Poster]
- Fuji, N., H. Jang, **Y. Kim**, K. Konishi, S.-M. Lee, Seismological structure beneath the Caroline plate obtained using 1D Monte-Carlo waveform inversion, Abstract T31-2924 presented at 2016 Fall Meeting, AGU, San Francisco, Calif., 12–16 Dec. [Poster]
- † Lim, H., **Y. Kim**, R.W. Clayton, C. H. Thurber, Seismicity and structure of Nazca Plate subduction zone in southern Peru, Abstract S43B-2842 presented at 2016 Fall Meeting, AGU, San Francisco, Calif., 12–16 Dec. [Poster]
- † Kim, E., D. Toomey, E. Hooft, W. Wilcock, R. Weekly, S.-M. Lee, **Y. Kim**, Seismic velocity structure of the upper oceanic crust beneath the Endeavour segment of the Juan de Fuca, 19th SNU-HU Joint Symposium, Hokkaido University, Japan, 2016.11.25. [Poster]
- † Kim, E., D. Toomey, E. Hooft, W. Wilcock, R. Weekly, S.-M. Lee, **Y. Kim**, Seismic velocity structure of the upper crust beneath the Endeavour segment of the Juan de Fuca Ridge from joint inversion of P and S wave travel-times, 2016 Fall Meeting of Korean GSA, Pyungchang Convention Center, 27 Oct 2016. [Oral]
- † Jang, H., Y. Kim, T.-S. Kang, J. Rhie, Seismic attenuation structure beneath Jeju island, S. Korea, 2016 Fall Meeting of Korean GSA, Pyungchang Convention Center, 27 Oct 2016. [Poster]
- § Kim, H., **Y. Kim**, Lithospheric structure of oceanic islands in East Sea of Korea from teleseismic receiver functions: Implication for tectonic origin of the ocean basin, 2016 Fall Meeting of Korean GSA, Pyungchang Convention Center, 27 Oct 2016. [Poster – **Best Presentation Award**]
- † Jang, H., **Y. Kim**, R.W. Clayton, Seismic attenuation structure beneath Southern Peru, 2016 Fall Meeting of Korean GSA, Pyungchang Convention Center, 27 Oct 2016. [Poster]
- † Hyung, S., **Y. Kim**, Moho depth variation and seismic anisotropy underneath the Grenville Province and Appalachian Mountains in eastern North America using teleseismic receiver function, 2016 Fall Meeting of Korean GSA, Pyungchang Convention Center, 27 Oct 2016. [Poster]
- † Kim, E., D. Toomey, E. Hooft, W. Wilcock, R. Weekly, S.-M. Lee, **Y. Kim**, Joint inversion for the upper crustal Vp/Vs structure using P and S wave data from the seismic experiment in the Endeavour, 2016 Fall meeting of KSEG, Korea Polar Research Institute, 6 Oct 2016. [Oral]
- § Kim, H., **Y. Kim**, Crustal and upper mantle structure of volcanic islands of Korea using teleseismic receiver functions, 2016 Fall meeting of KSEG, Korea Polar Research Institute, 6 Oct 2016. [Poster – **Best Presentation Award**]
- † Jang, H., **Y. Kim**, T.-S. Kang, J. Rhie, Seismic attenuation structure beneath Jeju Island, S. Korea, 2016 Fall meeting of KSEG, Korea Polar Research Institute, 6 Oct 2016. [Oral]
- † Kim, E., D. Toomey, E. Hooft, W. Wilcock, R. Weekly, S.-M. Lee, **Y. Kim**, Upper crustal Vp/Vs structure at the Endeavour segment of the Juan de Fuca Ridge from joint inversion of P and S wave traveltimes, The 1st Asia-Pacific Workshop on Lithosphere and Mantle Dynamics, Taiwan Yangminshan, 2016.9.23. [Poster]
- Shen, X., T.-R. A. Song, **Y. Kim**, T. Tonegawa, H. Lim, K. Shiomi, Seismological constraint of velocity and density contrast across the upper mantle discontinuities beneath East Asia, 15th Symposium of Study of the Earth's Deep Interior, Nantes, France, July 24–29, 2016. [Poster]
- † Jang, H., **Y. Kim**, T.-S. Kang, J. Rhie, Seismic attenuation structure beneath Jeju Island, S. Korea, 2016 Spring Meeting of KSEG, Yonsei University, 31 May 2016. [Poster]
- † Jang, H., **Y. Kim**, T.-S. Kang, J. Rhie, Seismic attenuation structure beneath Jeju Island, S. Korea, 2016 Spring Meeting of Korea GSA, Bexco Busan, Apr. 20–22, 2016. [Poster – **Best Presentation Award**]
- † Kim, E., D. Toomey, E. Hooft, W. Wilcock, R. Weekly, S.-M. Lee, **Y. Kim**, Joint inversion for crustal Vp/Vs structure at the Endeavour segment of the Juan de Fuca Ridge, 2016 Spring Meeting of Korea GSA, Bexco Busan, Apr. 20–22, 2016. [Oral]
- Audet, P., **Y. Kim**, Teleseismic scattering constraints on the geological environment of deep episodic slow earthquakes in subduction zone forearcs, AGU Chapman Conference, Ixtapa, Guerrero, Mexico, Feb. 21–25, 2016 (presented on Feb. 23). [Invited oral]

- † Lim, H., **Y. Kim**, R.W. Clayton, C. H. Thurber, Seismicity and structure of Nazca Plate subduction zone in southern Peru, Abstract T51D-2918 presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 15–19 Dec. [Poster]
- Lee, S.-J., J. Rhie, S. Kim, T.-S. Kang, **Y. Kim**, Ambient seismic noise tomography of Jeju Island, South Korea, Abstract S23D-2775 presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 15–19 Dec. [Poster]
- † Kim, E., D. Toomey, E. Hooft, W. Wilcock, R. Weekly, S.-M. Lee, **Y. Kim**, Upper crustal velocity and porosity structures beneath the Endeavour segment, Juan de Fuca Ridge, Abstract V21A-3024 presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 15–19 Dec. [Poster]
- Shen, W., M. Ritzwoller, Y. Zheng, F.-C. Lin, **Y. Kim**, J. Ning, D. Kang, L. Feng, D. Wiens, Crust Uppermost Mantle Structure beneath Eastern Asia: Progress towards a Uniform, Tightly Constrained, High Resolution 3-D Model, Abstract S11B-06 presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 15–19 Dec. [Oral]
- † Kim, E., D. Toomey, E. Hooft, W. Wilcock, R. Weekly, S.-M. Lee, **Y. Kim**, Upper crustal velocity and porosity structures beneath the Endeavour segment, Juan de Fuca Ridge, 18th SNU-HU Joint Symposium, SNU, Nov. 27, 2015. [Oral]
- † Lim, H., **Y. Kim**, R.W. Clayton, C. H. Thurber, Seismicity and structure of Nazca Plate subduction zone in southern Peru, 2015 Fall Joint Conference of KSMER / KSRM / KSEG, Jeju, Korea, Oct. 29–30, 2015. [Oral]
- † Kim, E., D. Toomey, E. Hooft, W. Wilcock, R. Weekly, S.-M. Lee, **Y. Kim**, Upper crustal velocity and porosity structures beneath the Endeavour segment, Juan de Fuca Ridge, 2015 Fall Joint Conference of Geological Science of Korea, Jeju, Korea, Oct. 28–29, 2015. [Oral]
- † Kim, E., D. Toomey, E. Hooft, W. Wilcock, R. Weekly, S.-M. Lee, **Y. Kim**, Upper crustal velocity and porosity structures beneath the Endeavour segment, Juan de Fuca Ridge, The 2nd InterRidge International Workshop, Circum-Antarctic Ridges, Korea Polar Research Institute, Oct. 12–15, 2015. [Oral]
- Wei, M., H. Li, D. Li, Y. Liu, **Y. Kim**, What controls the spatial-temporal evolution of slow slip events in south central Alaska? Theoretical & Experimental Institute for the Subduction Cycles & Deformation Initiative, Redondo Beach, CA, October 12–14, 2015. [Poster]
- † Kim, E., D. Toomey, E. Hooft, W. Wilcock, R. Weekly, S.-M. Lee, **Y. Kim**, Compressional and shear wave structure of the upper crust beneath the Endeavour Segment, Juan De Fuca ridge, The 8th International Conference on Asian Marine Geology, Jeju, Korea, Oct. 5–10, 2015. [Oral]
- † Lim H., **Y. Kim**, R.W. Clayton, C. H. Thurber, Seismicity and structure of Nazca Plate subduction zone in southern Peru, The 3rd international summer school on Earthquake Science "Monitoring physical properties associated with tectonic processes", Yamanashi, Japan, September 4–8, 2015. [Poster]
- Rhie, J., Lee, S.-J., Kim, S.-R., Kang, T.-S., **Kim, Y.** Ambient seismic noise of Jeju Island, South Korea, Earthquake Engineering Society of Korea (EESK) Annual Conference, September 10, 2015. [Oral]
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