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Department of Earth and Environmental Sciences  
ARC Centre of Excellence for Core to Crust Fluid Systems (incorporation ARC  
National Key Centre for Geochemical evolution and Metallogeny of Continents  
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## Biography

**Biography:** I am a seismologist at the Department of Earth and Planetary of Sciences, Macquarie University in Sydney, Australia. I got my Bachelor of Sciences from University of Science and Technology of China in 2000. My PhD studies took place in Brown University majoring in Geophysics/Seismology during 2000-2005. Afterward, I took research associate and senior research associate positions at University of Colorado at Boulder. In 2010, I moved to Macquarie University as a lecturer. Now I am an associate professor.

**Research interests:** My primary research interests lie in understanding the structure, dynamics, and deformation of the Earth's lithosphere and upper mantle by studying seismic velocity, anisotropy, and attenuation using seismological techniques. My specific research topics include ambient noise surface wave tomography by extracting seismic Green functions from cross-correlating sequences of ambient or background seismic noise, teleseismic surface wave tomography using earthquake data to constrain the seismic structure of lithosphere, joint inversion of multiple seismic data sets to improve the imaging of thermal and chemical status of the lithosphere and upper mantle.

## Qualifications

Geophysics/Seismology, PhD, Brown University  
1 Sep 2000 → 1 Oct 2005  
Award Date: 1 Oct 2005

Geophysics, B.S., University of Science and Technology of China  
1 Sep 1995 → 1 Jul 2000  
Award Date: 1 Jul 2000

8 Jun 2018 HDR Supervision Orientation 2018-2020, HDR30  
28 Aug 2012 HDR Supervision Training (Historic Record), HDR99  
21 Nov 2011 HDR Supervision Training (Historic Record), HDR99  
3 Mar 2007 HDR Supervision Training (Historic Record), HDR99

## Employment

### Honorary Associate Professor

Associate Professor  
Department of Earth and Environmental Sciences  
Macquarie University  
28 Jun 2021 → present

### ARC Centre of Excellence for Core to Crust Fluid Systems (incorporation ARC National Key Centre for Geochemical evolution and Metallogeny of Continents (GEMOC))

Macquarie University  
1 Jan 2011 → present

## Research outputs

### Extracting surface wave dispersion curves from asynchronous seismic stations: method and application

Rao, H., Luo, Y., Zhao, K. & Yang, Y., Aug 2021, In: Geophysical Journal International. 226, 2, p. 1148-1158 11 p.

### Adjoint tomography of ambient noise data and teleseismic P waves: methodology and applications to central California

Wang, K., Yang, Y., Jiang, C., Wang, Y., Tong, P., Liu, T. & Liu, Q., Jun 2021, In: Journal of Geophysical Research: Solid Earth. 126, 6, p. 1-20 20 p., e2021JB021648.

**Thermochemical state of the upper mantle beneath South China from multi-observable probabilistic inversion**

Yang, X., Li, Y., Afonso, J. C., Yang, Y. & Zhang, A., May 2021, In: Journal of Geophysical Research: Solid Earth. 126, 5, p. 1-24 24 p., e2020JB021114.

**Crustal radial anisotropy of the Iran plateau inferred from ambient noise tomography**

Movaghari, R., JavanDoloei, G., Yang, Y., Tatar, M. & Sadidkhouy, A., Apr 2021, In: Journal of Geophysical Research: Solid Earth. 126, 4, p. 1-19 19 p., e2020JB020236.

**3-D sedimentary structures beneath southeastern Australia constructed by passive seismic array data**

Li, G., Yang, Y., Niu, F. & Chen, M., Feb 2021, In: Journal of Geophysical Research: Solid Earth. 126, 2, p. 1-19 19 p., e2020JB019998.

**Three-dimensional crustal structures of the Shanxi Rift constructed by Rayleigh wave dispersion curves and ellipticity: implication for sedimentation, intraplate volcanism, and seismicity**

Xu, H., Luo, Y., Yang, Y., Shen, W., Yin, X., Chen, G., Yang, X. & Sun, S., Nov 2020, In: Journal of Geophysical Research: Solid Earth. 125, 11, p. 1-18 18 p., e2020JB020146.

**Improving cross-correlations of ambient noise using an rms-ratio selection stacking method**

Xie, J., Yang, Y. & Luo, Y., Aug 2020, In: Geophysical Journal International. 222, 2, p. 989-1002 14 p.

**The deep thermochemical structure of the Dabie orogenic belt from multi-observable probabilistic inversion**

Zhang, A., Guo, Z., Afonso, J. C., Yang, Y., Yang, B. & Xu, Y., 20 Jul 2020, In: Tectonophysics. 787, p. 1-16 16 p., 228478.

**Crustal deformation in Southern California constrained by radial anisotropy from ambient noise adjoint tomography**

Wang, K., Jiang, C., Yang, Y., Schulte-Pelkum, V. & Liu, Q., 28 Jun 2020, In: Geophysical Research Letters. 47, 12, p. 1-12 12 p., e2020GL088580.

**Broadband finite frequency ambient noise tomography: a case study in the western United States using USArray stations**

Zhao, K., Yang, Y. & Luo, Y., Jun 2020, In: Journal of Geophysical Research: Solid Earth. 125, 6, p. 1-16 16 p., e2019JB019314.

**Evaluating uncertainties of phase velocity measurements from cross-correlations of ambient seismic noise**

Luo, Y., Yang, Y., Xie, J., Yang, X., Ren, F., Zhao, K. & Xu, H., 1 May 2020, In: Seismological Research Letters. 91, 3, p. 1717-1729 13 p.

**Magnetotelluric imaging of a fossil oceanic plate in northwestern Xinjiang, China**

Xu, Y. X., Yang, B., Zhang, A. Q., Wu, S. C., Zhu, L., Yang, Y. J., Wang, Q. Y. & Xia, Q. K., 1 Apr 2020, In: Geology. 48, 4, p. 385-389 5 p.

**Mapping crustal shear wave velocity structure and radial anisotropy beneath West Antarctica using seismic ambient noise**

O'Donnell, J. P., Brisbourne, A. M., Stuart, G. W., Dunham, C. K., Yang, Y., Nield, G. A., Whitehouse, P. L., Nyblade, A. A., Wiens, D. A., Anandakrishnan, S., Aster, R. C., Huerta, A. D., Lloyd, A. J., Wilson, T. & Winberry, J. P., Nov 2019, In: Geochemistry, Geophysics, Geosystems. 20, 11, p. 5014-5037 24 p.

**The deep lithospheric structure of the Junggar Terrane, NW China: implications for its origin and tectonic evolution**

Zhang, A., Afonso, J. C., Xu, Y., Wu, S., Yang, Y. & Yang, B., Nov 2019, In: Journal of Geophysical Research: Solid Earth. 124, 11, p. 11615-11638 24 p.

**The uppermost mantle seismic velocity structure of West Antarctica from Rayleigh wave tomography: insights into tectonic structure and geothermal heat flow**

O'Donnell, J. P., Stuart, G. W., Brisbourne, A. M., Selway, K., Yang, Y., Nield, G. A., Whitehouse, P. L., Nyblade, A. A., Wiens, D. A., Aster, R. C., Anandakrishnan, S., Huerta, A. D., Wilson, T. & Winberry, J. P., 15 Sep 2019, In: Earth and Planetary Science Letters. 522, p. 219-233 15 p.

**Joint inversion of Rayleigh wave phase velocity, particle motion, and teleseismic body wave data for sedimentary structures**

Li, G., Niu, F., Yang, Y. & Tao, K., 28 Jun 2019, In: Geophysical Research Letters. 46, 12, p. 6469-6478 10 p.

**Three-dimensional sensitivity kernels for multicomponent empirical Green's functions from ambient noise: methodology and application to adjoint tomography**

Wang, K., Liu, Q. & Yang, Y., Jun 2019, In: Journal of Geophysical Research: Solid Earth. 124, 6, p. 5794-5810 17 p.

**Joint inversion of active sources and ambient noise for near-surface structures: a case study in the Balikun Basin, China**

Luo, Y., Lin, J., Yang, Y., Wang, L., Yang, X. & Xie, J., 1 Nov 2018, In: Seismological Research Letters. 89, 6, p. 2256-2265 10 p.

**Refined crustal and uppermost mantle structure of southern California by ambient noise adjoint tomography**

Wang, K., Yang, Y., Basini, P., Tong, P., Tape, C. & Liu, Q., Nov 2018, In: Geophysical Journal International. 215, 2, p. 844-863 20 p.

**3-D upper-mantle shear velocity model beneath the contiguous United States based on broadband surface wave from ambient seismic noise**

Xie, J., Chu, R. & Yang, Y., Oct 2018, In: Pure and Applied Geophysics. 175, 10, p. 3403-3418 16 p.

**Physical state and structure of the crust beneath the Western-Central United States from multiobservable probabilistic inversion**

Tork Qashqai, M., Afonso, J. C. & Yang, Y., Sep 2018, In: Tectonics. 37, 9, p. 3117-3147 31 p.

**Lithospheric structure of the northern Ordos from ambient noise and teleseismic surface wave tomography**

Li, S., Guo, Z., Chen, Y. J., Yang, Y. & Huang, Q., Aug 2018, In: Journal of Geophysical Research: Solid Earth. 123, 8, p. 6940-6957 18 p.

**Seismological evidence for a remnant oceanic slab in the western Junggar, northwest China**

Wu, S., Huang, R., Xu, Y., Yang, Y., Jiang, X. & Zhu, L., May 2018, In: Journal of Geophysical Research: Solid Earth. 123, 5, p. 4157-4170 14 p.

**The origin and mantle dynamics of quaternary intraplate volcanism in Northeast China from joint of surface wave and body wave**

Guo, Z., Wang, K., Yang, Y., Tang, Y., John Chen, Y. & Hung, S-H., Mar 2018, In: Journal of Geophysical Research: Solid Earth. 123, 3, p. 2410-2425 16 p.

**An investigation of time-frequency domain phase-weighted stacking and its application to phase-velocity extraction from ambient noise's empirical Green's functions**

Li, G., Niu, F., Yang, Y. & Xie, J., 1 Feb 2018, In: Geophysical Journal International. 212, 2, p. 1143-1156 14 p.

**The crustal structure of the Arizona Transition Zone and southern Colorado Plateau from multiobservable probabilistic inversion**

Tork Qashqai, M., Carlos Afonso, J. & Yang, Y., 1 Nov 2016, In: Geochemistry, Geophysics, Geosystems. 17, 11, p. 4308-4332 25 p.

**Crust and upper mantle structure beneath southeast Australia from ambient noise and teleseismic tomography**

Rawlinson, N., Pilia, S., Young, M., Salmon, M. & Yang, Y., 15 Oct 2016, In: Tectonophysics. 689, p. 143-156 14 p.

**3-D multiobservable probabilistic inversion for the compositional and thermal structure of the lithosphere and upper mantle: III. Thermochemical tomography in the Western-Central US**

Afonso, J. C., Rawlinson, N., Yang, Y., Schutt, D. L., Jones, A. G., Fullea, J. & Griffin, W. L., 1 Oct 2016, In: Journal of Geophysical Research: Solid Earth. 121, 10, p. 7337-7370 34 p.

**Crustal radial anisotropy in Northeast China and its implications for the regional tectonic extension**

Guo, Z., Yang, Y. & John Chen, Y., 1 Oct 2016, In: *Geophysical Journal International*. 207, 1, p. 197-208 12 p., ggw261.

**Thermochemical structure of the North China Craton from multi-observable probabilistic inversion: Extent and causes of cratonic lithosphere modification**

Guo, Z., Afonso, J. C., Qashqai, M. T., Yang, Y. & Chen, Y. J., 1 Sep 2016, In: *Gondwana Research*. 37, p. 252-265 14 p.

**How did the Dabie Orogen collapse? Insights from 3-D magnetotelluric imaging of profile data**

Xu, Y., Zhang, S., Griffin, W. L., Yang, Y., Yang, B., Luo, Y., Zhu, L., Afonso, J. C. & Lei, B., 1 Jul 2016, In: *Journal of Geophysical Research: Solid Earth*. 121, 7, p. 5169-5185 17 p.

**On the accuracy of long-period Rayleigh waves extracted from ambient noise**

Xie, J., Yang, Y. & Ni, S., 1 Jul 2016, In: *Geophysical Journal International*. 206, 1, p. 48-55 8 p.

**Crustal structure of the Newer Volcanics Province, SE Australia, from ambient noise tomography**

Jiang, C., Yang, Y., Rawlinson, N. & Griffin, W. L., 30 Jun 2016, In: *Tectonophysics*. 683, p. 382-392 11 p.

**Crustal structure in the junction of Qinling Orogen, Yangtze Craton and Tibetan Plateau: implications for the formation of the Dabashan Orocline and the growth of Tibetan Plateau**

Jiang, C., Yang, Y. & Zheng, Y., 1 Jun 2016, In: *Geophysical Journal International*. 205, 3, p. 1670-1681 12 p., ggw096.

**Correction of phase velocity bias caused by strong directional noise sources in high-frequency ambient noise tomography: a case study in Karamay, China**

Wang, K., Luo, Y. & Yang, Y., 1 May 2016, In: *Geophysical Journal International*. 205, 2, p. 715-727 13 p.

**Effects of shallow density structure on the inversion for crustal shear wave speeds in surface wave tomography**

Xing, G., Niu, F., Chen, M. & Yang, Y., 1 May 2016, In: *Geophysical Journal International*. 205, 2, p. 1144-1152 9 p.

**Measurement of Rayleigh wave ellipticity and its application to the joint inversion of high-resolution S wave velocity structure beneath northeast China**

Li, G., Chen, H., Niu, F., Guo, Z., Yang, Y. & Xie, J., Feb 2016, In: *Journal of Geophysical Research: Solid Earth*. 121, 2, p. 864-880 17 p.

**Seismic evidence of on-going sublithosphere upper mantle convection for intra-plate volcanism in Northeast China**

Guo, Z., Chen, Y. J., Ning, J., Yang, Y., Afonso, J. C. & Tang, Y., 1 Jan 2016, In: *Earth and Planetary Science Letters*. 433, p. 31-43 13 p.

**Unraveling overtone interferences in Love-wave phase velocity measurements by radon transform**

Luo, Y., Yang, Y., Zhao, K., Xu, Y. & Xia, J., Oct 2015, In: *Geophysical Journal International*. 203, 1, p. 327-333 7 p.

**A broadband seismic network in the middle-lower Yangtze Metallogenic Belt, China**

Li, X., Ouyang, L., Li, H., Yang, Y., Zheng, D., Lü, Q., Zhou, M., Tan, J., Sun, S. & Zhang, G., 1 May 2015, In: *Seismological Research Letters*. 86, 3, p. 941-947 7 p.

**On the limitations of interstation distances in ambient noise tomography**

Luo, Y., Yang, Y., Xu, Y., Xu, H., Zhao, K. & Wang, K., May 2015, In: *Geophysical Journal International*. 201, 2, p. 652-661 10 p.

**Crustal and uppermost mantle velocity structure and its relationship with the formation of ore districts in the middle-lower Yangtze River region**

Ouyang, L., Li, H., Lü, Q., Yang, Y., Li, X., Jiang, G., Zhang, G., Shi, D., Zheng, D., Sun, S., Tan, J. & Zhou, M., 5 Dec 2014, In: *Earth and Planetary Science Letters*. 408, p. 378-389 12 p.

**Penetration of mid-crustal low velocity zone across the Kunlun Fault in the NE Tibetan Plateau revealed by ambient noise tomography**

Jiang, C., Yang, Y. & Zheng, Y., 5 Nov 2014, In: Earth and Planetary Science Letters. 406, p. 81-92 12 p.

**The thermochemical structure of the lithosphere and upper mantle beneath South China: Results from multiobservable probabilistic inversion**

Shan, B., Afonso, J. C., Yang, Y., Grose, C. J., Zheng, Y., Xiong, X. & Zhou, L., Nov 2014, In: Journal of Geophysical Research: Solid Earth. 119, 11, p. 8417-8441 25 p.

**Application of teleseismic long-period surface waves from ambient noise in regional surface wave tomography: A case study in western USA**

Yang, Y., Sep 2014, In: Geophysical Journal International. 198, 3, p. 1644-1652 9 p.

**Imaging upper mantle structures in regional, continental and global scales using long-period surface waves (50-300 sec) from ambient noise**

Yang, Y. & Xie, J., 2014, p. 1. 1 p.

**Crustal radial anisotropy beneath the dabie orogenic belt from ambient noise tomography**

Luo, Y., Xu, Y. & Yang, Y., Nov 2013, In: Geophysical Journal International. 195, 2, p. 1149-1164 16 p.

**Local modification of the lithosphere beneath the central and western North China Craton: 3-D constraints from Rayleigh wave tomography**

Jiang, M., Ai, Y., Chen, L. & Yang, Y., Nov 2013, In: Gondwana Research. 24, 3-4, p. 849-864 16 p.

**Crustal velocity structure of Central and Eastern Turkey from ambient noise tomography**

Warren, L. M., Beck, S. L., Biryol, C. B., Ozacar, A. A. & Yang, Y., Sep 2013, In: Geophysical Journal International. 194, 3, p. 1941-1954 14 p.

**Crustal radial anisotropy across eastern Tibet and the Western Yangtze Craton**

Xie, J., Ritzwoller, M. H., Shen, W., Yang, Y., Zheng, Y. & Zhou, L., 1 Aug 2013, In: Journal of Geophysical Research: Solid Earth. 118, 8, p. 4226-4252 27 p.

**3-D multi-observable probabilistic inversion for the compositional and thermal structure of the lithosphere and upper mantle. II: General methodology and resolution analysis**

Afonso, J. C., Fullea, J., Yang, Y., Connolly, J. A. D. & Jones, A. G., 1 Apr 2013, In: Journal of Geophysical Research: Solid Earth. 118, 4, p. 1650-1676 27 p.

**3-D multiobservable probabilistic inversion for the compositional and thermal structure of the lithosphere and upper mantle. I: a priori petrological information and geophysical observables**

Afonso, J. C., Fullea, J., Griffin, W. L., Yang, Y., Jones, A. G., Connolly, J. A. D. & Reilly, S. Y. O., 2013, In: Journal of Geophysical Research: Solid Earth. 118, 5, p. 2586-2617 32 p.

**Crustal and upper mantle structure and the deep seismogenic environment in the source regions of the Lushan earthquake and the Wenchuan earthquake**

Zheng, Y., Ge, C., Xie, Z. J., Yang, Y. J., Xiong, X. & Hsu, H. T., 2013, In: Science China Earth Sciences. 56, 7, p. 1158-1168 11 p.

**Multi-observable thermochemical tomography ; a new framework in integrated studies of the lithosphere**

Afonso, J. C., Fullea, J., Connolly, J., Rawlinson, N., Yang, Y. & Jones, A. G., 2013, In: Mineralogical Magazine. 77, 5, p. 559 1 p.

**The structure of the crust and uppermost mantle beneath South China from ambient noise and earthquake tomography**

Zhou, L., Xie, J., Shen, W., Zheng, Y., Yang, Y., Shi, H. & Ritzwoller, M. H., Jun 2012, In: Geophysical Journal International. 189, 3, p. 1565-1583 19 p.

**A synoptic view of the distribution and connectivity of the mid-crustal low velocity zone beneath Tibet**

Yang, Y., Ritzwoller, M. H., Zheng, Y., Shen, W., Levshin, A. L. & Xie, Z., 1 Apr 2012, In: Journal of Geophysical Research. 117, 4, p. 1-20 20 p., B04303.

**Crustal structure beneath the Dabie orogenic belt from ambient noise tomography**

Luo, Y., Xu, Y. & Yang, Y., 1 Jan 2012, In: Earth and Planetary Science Letters. 313-314, p. 12-22 11 p.

**Crustal and upper mantle velocity structure in the northeastern Tibetan Plateau**

Li, H., Yang, Y., Huang, Z., Gong, M., Li, X., Shen, Y., Shi, D., Sandvol, E. & Li, A., 2012, p. 2410. 1 p.

**High-resolution lithosphere structure beneath the North China Craton from teleseismic Rayleigh wave tomography**

Jiang, M., Ai, Y., Chen, L. & Yang, Y., 2012, p. 2409. 1 p.

**Imaging lithospheric foundering in the structure of the Sierra Nevada**

Gilbert, H., Yang, Y., Forsyth, D. W., Jones, C. H., Owens, T. J., Zandt, G. & Stachnik, J. C., 2012, In: Geosphere. 8, 6, p. 1310-1330 21 p.

**The Structure of the crust and uppermost mantle in China from ambient noise tomography**

Yang, Y., Zheng, Y., Zhou, L., Shen, W., Xie, J. & Ritzwoller, M. H., 2012, p. 1647. 1 p.

**Towards multi-observable thermochemical tomography of the lithosphere and sublithospheric upper mantle**

Afonso, J. C., Fulla, J., Yang, Y., Rawlinson, N., Jones, A. G. & Connolly, J. A., 2012. 1 p.

**Crust and uppermost mantle beneath the North China Craton, northeastern China, and the Sea of Japan from ambient noise tomography**

Zheng, Y., Shen, W., Zhou, L., Yang, Y., Xie, Z. & Ritzwoller, M. H., 1 Dec 2011, In: Journal of Geophysical Research. 116, B12, p. 1-25 25 p., B12312.

**Mantle heterogeneity and off axis volcanism on young Pacific lithosphere**

Harmon, N., Forsyth, D. W., Weeraratne, D. S., Yang, Y. & Webb, S. C., 15 Nov 2011, In: Earth and Planetary Science Letters. 311, 3-4, p. 306-315 10 p.

**华北克拉通中部地区背景噪声成像**

Tang, Y. C., Chen, Y. S., Yang, Y. J., Ding, Z. F., Liu, R. F., Feng, Y. G., Li, P., Yu, C. Q., Wei, S. Q., Fan, W. Y., Wang, H. Y., Zhou, S. Y. & Ning, J. Y., 20 Aug 2011, In: Chinese Journal of Geophysics. 54, 8, p. 2011-2022 12 p.

**Rayleigh wave tomography of the northeastern margin of the Tibetan Plateau**

Zhang, Q., Sandvol, E., Ni, J., Yang, Y. & Chen, Y. J., 1 Apr 2011, In: Earth and Planetary Science Letters. 304, 1-2, p. 103-112 10 p.

**Crustal structure determined from ambient noise tomography near the magmatic centers of the Coso region, southeastern California**

Yang, Y., Ritzwoller, M. H. & Jones, C. H., 1 Feb 2011, In: Geochemistry, Geophysics, Geosystems. 12, 2, p. 1-20 20 p., Q02009.

**Epicentral location based on Rayleigh wave Empirical Green's Functions from ambient seismic noise**

Barmin, M. P., Levshin, A. L., Yang, Y. & Ritzwoller, M. H., Feb 2011, In: Geophysical Journal International. 184, 2, p. 869-884 16 p.

**Surface wave tomography on a large-scale seismic array combining ambient noise and teleseismic earthquake data**

Yang, Y., Shen, W. & Ritzwoller, M. H., Feb 2011, In: Earthquake Science. 24, 1, p. 55-64 10 p.

**Complex and variable crustal and uppermost mantle seismic anisotropy in the western United States**

Lin, F. C., Ritzwoller, M. H., Yang, Y., Moschetti, M. P. & Fouch, M. J., Jan 2011, In: Nature Geoscience. 4, 1, p. 55-61 7 p.

**Crustal shear wave velocity structure of the western United States inferred from ambient seismic noise and earthquake data**

Moschetti, M. P., Ritzwoller, M. H., Lin, F. C. & Yang, Y., 1 Oct 2010, In: Journal of Geophysical Research. 115, 10, p. 1-20 20 p., B10306.

**Crustal structure of the northeastern Tibetan plateau, the Ordos block and the Sichuan basin from ambient noise tomography**

Zheng, Y., Yang, Y., Ritzwoller, M. H., Zheng, X., Xiong, X. & Li, Z., Oct 2010, In: Earthquake Science. 23, 5, p. 465-476 12 p.

**Three dimensional shear wave velocity structure of the crust and upper mantle beneath China from ambient noise surface wave tomography**

Sun, X., Song, X., Zheng, S., Yang, Y. & Ritzwoller, M. H., Oct 2010, In: Earthquake Science. 23, 5, p. 449-463 15 p.

**Rayleigh wave phase velocity maps of Tibet and the surrounding regions from ambient seismic noise tomography**

Yang, Y., Zheng, Y., Chen, J., Zhou, S., Ceylan, S., Sandvol, E., Tilmann, F., Priestley, K., Hearn, T. M., Ni, J. F., Brown, L. D. & Ritzwoller, M. H., 1 Aug 2010, In: Geochemistry, Geophysics, Geosystems. 11, 8, p. 1-18 18 p., Q08010.

**Seismic evidence for widespread western-US deep-crustal deformation caused by extension**

Moschetti, M. P., Ritzwoller, M. H., Lin, F. & Yang, Y., 8 Apr 2010, In: Nature. 464, 7290, p. 885-889 5 p.

**A 3-D shear velocity model of the crust and uppermost mantle beneath the United States from ambient seismic noise**

Bensen, G. D., Ritzwoller, M. H. & Yang, Y., 2009, In: Geophysical Journal International. 177, 3, p. 1177-1196 20 p.

**Structure of the crust and uppermost mantle beneath the western United States revealed by ambient noise and earthquake tomography**

Yang, Y., Ritzwoller, M. H., Lin, F. C., Moschetti, M. P. & Shapiro, N. M., 4 Dec 2008, In: Journal of Geophysical Research. 113, 12, p. 1-9 9 p., B12310.

**Crustal and uppermost mantle structure in southern Africa revealed from ambient noise and teleseismic tomography**

Yang, Y., Li, A. & Ritzwoller, M. H., Jul 2008, In: Geophysical Journal International. 174, 1, p. 235-248 14 p.

**Surface wave tomography of China from ambient seismic noise correlation**

Zheng, S., Sun, X., Song, X., Yang, Y. & Ritzwoller, M. H., May 2008, In: Geochemistry, Geophysics, Geosystems. 9, 5, p. 1-8 8 p., Q05020.

**Attenuation in the upper mantle beneath Southern California: Physical state of the lithosphere and asthenosphere**

Yang, Y. & Forsyth, D. W., 4 Mar 2008, In: Journal of Geophysical Research. 113, 3, p. 1-12 12 p., B03308.

**Teleseismic surface wave tomography in the western U.S. using the Transportable Array component of USArray**

Yang, Y. & Ritzwoller, M. H., 28 Feb 2008, In: Geophysical Research Letters. 35, 4, p. 1-5 5 p., L04308.

**Characteristics of ambient seismic noise as a source for surface wave tomography**

Yang, Y. & Ritzwoller, M. H., Feb 2008, In: Geochemistry, Geophysics, Geosystems. 9, 2, p. 1-18 18 p., Q02008.

**Ambient noise surface wave tomography of the Iberian Peninsula: Implications for shallow seismic structure**

Villaseñor, A., Yang, Y., Ritzwoller, M. H. & Gallart, J., 16 Jun 2007, In: Geophysical Research Letters. 34, 11, p. 1-5 5 p., L11304.

**Seismic attenuation near the East Pacific Rise and the origin of the low-velocity zone**

Yang, Y., Forsyth, D. W. & Weeraratne, D. S., 15 Jun 2007, In: Earth and Planetary Science Letters. 258, 1-2, p. 260-268 9 p.

**Rayleigh wave tomography beneath intraplate volcanic ridges in the South Pacific**

Weeraratne, D. S., Forsyth, D. W., Yang, Y. & Webb, S. C., 4 Jun 2007, In: Journal of Geophysical Research. 112, B6, p. 1-18 18 p., B06303.

**Processing seismic ambient noise data to obtain reliable broad-band surface wave dispersion measurements**

Bensen, G. D., Ritzwoller, M. H., Barmin, M. P., Levshin, A. L., Lin, F., Moschetti, M. P., Shapiro, N. M. & Yang, Y., Jun 2007, In: Geophysical Journal International. 169, 3, p. 1239-1260 22 p.

**Ambient noise Rayleigh wave tomography across Europe**

Yang, Y., Ritzwoller, M. H., Levshin, A. L. & Shapiro, N. M., Jan 2007, In: Geophysical Journal International. 168, 1, p. 259-274 16 p.

**Regional tomographic inversion of the amplitude and phase of Rayleigh waves with 2-D sensitivity kernels**

Yang, Y. & Forsyth, D. W., Sep 2006, In: Geophysical Journal International. 166, 3, p. 1148-1160 13 p.

**Rayleigh wave phase velocities, small-scale convection, and azimuthal anisotropy beneath southern California**

Yang, Y. & Forsyth, D. W., 1 Jul 2006, In: Journal of Geophysical Research. 111, 7, p. 1-20 20 p., B07306.

**Improving epicentral and magnitude estimation of earthquakes from T phases by considering the excitation function**

Yang, Y. & Forsyth, D. W., Oct 2003, In: Bulletin of the Seismological Society of America. 93, 5, p. 2106-2122 17 p.

**Coupled seismic slip on adjacent oceanic transform faults**

Forsyth, D. W., Yang, Y., Mangriotis, M. D. & Shen, Y., 15 Jun 2003, In: Geophysical Research Letters. 30, 12, p. 20-21 2 p.

## Prizes

**ARC Future Fellow**

Yang, Yingjie (Recipient), 2014

**Outstanding Reviewer for Geophysical Journal of International**

Yang, Yingjie (Recipient), 2014

**The Anton Hales Medal from Australian Academy of Science**

Yang, Yingjie (Recipient), 2015

## Awards