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Education

- 2005 Ph.D., Geochemistry, *University of Maryland, College Park*
Dissertation: *Lithium isotopic systematics of the continental crust*
Advisors: Drs. William F. McDonough and Roberta L. Rudnick
- 2001 B.S., Geochemistry, *University of Science and Technology of China*

Research Interests

Study of composition and differentiation of the Earth and early solar system using novel isotope systematics measured by multi-collector inductively coupled plasma mass spectrometry (MC-ICPMS).

Professional Employment

- 9/2018 – present Professor, *Earth & Space Sciences, University of Washington, Seattle*
7/2024 – present, Maggie Walker Professor in the *College of the Environment*
1/2023 – 12/2025, Associate Chair & Graduate Program Coordinator
- 12/2012 – 9/2018 Associate Professor, *Earth & Space Sciences, University of Washington, Seattle*
- 8/2012 – 12/2012 Associate Professor, *Geosciences, University of Arkansas, Fayetteville*
- 1/2008 – 8/2012 Assistant Professor, *Geosciences, University of Arkansas, Fayetteville*
- 6/2006 – 12/2007 Post-doc, *Field Museum of Natural History and University of Chicago*
- 2/2006 – 5/2006 Post-doc, *Department of Geology, University of Maryland, College Park*

Visiting Appointments

- Alexander von Humboldt Professor, *Freie Universitat, Berlin* (2026 to present)
- Visiting Professor, *Institute of Earth Sciences, Academia Sinica* (2022 to present)
- Visiting Scientist, *Earth and Planets Laboratory, Carnegie Science* (2026)
- Visiting Professor, *Institut de Physique du Globe de Paris* (2019)
- Visiting Professor, *University of Bristol* (2015)
- Visiting Professor, *China Univ. of Geosciences, Beijing* (2011-2012, 2014, 2016-2017, 2019)

Awards and Honors

- Fellow, *American Geophysical Union* (2025)
- Fellow, *European Association of Geochemistry* (2024)
- Fellow, *Geochemical Society* (2024)
- Fellow, *Geological Society of America* (2024)
- Fellow, *Mineralogical Society of America* (2014)
- Humboldt Research Award, Alexander von Humboldt Foundation (2026)
- Alumni Excellence Awards for Research, *University of Maryland Alumni Association* (2025)
- F. Earl Ingerson Lecturer, *Geochemical Society* (2024)

- MSA Award, *Mineralogical Society of America* (2014)
- CAREER Award, *National Science Foundation* (2011)
- Dean's Leadership Fellow, *College of the Environment, UW* (2024 - 2025)
- Maggie Walker Professorship, *College of the Environment, UW* (2024)
- Exceptional Mentoring of Undergraduates Award, *College of the Environment, UW* (2015)
- Bassett Distinguished Teaching Award, *Department of Earth and Space Sciences, UW* (2017)
- Robert C. and Sandra Connor Endowed Faculty Fellowship, *U. of Arkansas, Fayetteville* (2012)
- Best Talk Award, Ph.D. category, *Dept. of Geology, Univ. of Maryland, College Park* (2005)
- Excellent Editor Award (2023), *Science China*
- Best Associate Editor Award (2015), *Science Bulletin*

Peer-reviewed Publications (* graduate student; ** postdoc; * undergraduate student)**

Total citations > 17400 and H-index = 74 (Google Scholar, 9/2026)

Books and Special Volumes

- Teng, F.-Z.**, Tipper, E. T., Kita, N. (2026) Magnesium Isotope Geochemistry and Cosmochemistry. *Springer*. Under contract.
- Teng, F.-Z.**, Arevalo, R. D., Liu, X.-M., Tang, M. eds. (2026) Geochemical insights into planetary evolution: from core to surface, *Geochimica et Cosmochimica Acta*, Vol. 422, 714 p.
- Teng, F.-Z.** and Wu, F.-Y. eds. (2024) Himalayan Leucogranites. *Elements*. Vol. 20, no. 6. 76 p.
- Teng, F.-Z.**, Lee, C.-T., Aulbach, S., and Liu, X.-M. eds. (2020) The continents: Origin, evolution and interactions with other reservoirs, *Geochimica et Cosmochimica Acta*, Vol. 278, 404 p.
- Teng, F.-Z.**, Watkins, J., Dauphas, N. eds. (2017) Non-Traditional Stable Isotopes. *Reviews in Mineralogy & Geochemistry*. Vol. 82, 885 p.
- Teng, F.-Z.** and Ma, L. eds. (2016) Deciphering isotope signatures of Earth Surface and Critical Zone processes, *Chemical Geology*, Vol. 445, 220 p.
- Sun, W., Tatsumi, Y., **Teng, F.-Z.**, Yang, X.-Y. and Ling, M.-X. eds. (2014) The Subduction Factory: Geochemical perspectives, *Geochimica et Cosmochimica Acta*, Vol. 143, 330 p.

Peer-reviewed Papers and Chapters

178. Yang, K.**, Herviou, C., Debret, B., Dai, J.-G., **Teng, F.-Z.**, Dubacq, B., Schwartz, S., Lefeuvre, B. and Zhang, H.-F. (2026) Preservation of bulk-rock Zn-Fe-Cu isotopic signatures during cold subduction: Insights from the Schistes Lustres metasediments. *Geochimica et Cosmochimica Acta*, in revision.
177. Peng, Y.**, **Teng, F.-Z.**, Fitzpayne, A., Li, S., Fan, W. X.*, Zhao, D.** and Yu, S. (2026) Metasomatism-induced cratonic lithospheric mantle stratification and vertical heterogeneity. *Geochimica et Cosmochimica Acta*, in revision.
176. Fan, W. X.*, **Teng, F.-Z.**, Peng, Y.**, Berg, A. D.*** and Leeman, W. P. (2026) Deep hydrous melting of mantle wedge recorded by Mg isotopes. *Science Advances*, in press.
175. Zhang, P.*, Huang, K.-J., Hu, Y.**, **Teng, F.-Z.**, Ma, L. and Huang, T.-Y.* (2026) A climatic threshold regulating Cenozoic silicate weathering and climate stability. *Earth and Planetary Science Letters*, 694, 120315. <https://doi.org/10.1016/j.epsl.2026.120315>.

174. Wang, Z.-Z.** , **Teng, F.-Z.**, Jackson, M. G., Chauvel, C. and Hamelin, C. (2026) Surficial carbonates in mantle plume sources revealed by magnesium isotopes. *Science Advances*, in press.
173. Sun, Y.** , Pang, K.-N., **Teng, F.-Z.**, Ying, J.-F., Wu, Y. and Jin, C. (2026) Sequential siliciclastic and carbonate metasomatism revealed by potassium and magnesium isotopic decoupling in Wyoming lamproites. *Communications in Earth and Environments*, in press.
<https://doi.org/10.1038/s43247-026-03963-5>.
172. Luo, K., Ma, J., **Teng, F.-Z.**, Wei, G.-J, Zhu, G.-H., Liu, J.-Ro., Zhang, Z.-Y. and Wang, Z.-B. (2026) Granite weathering revealed by magnesium isotope fractionation: Implications for the flux dynamics and global carbon sink. *Chemical Geology*, 715, 123477.
171. Banerjee, A., **Teng, F.-Z.**, Kumar, M. S. and Preeti, K.M. (2026) Recycled carbon in the mantle source of carbonatites: A magnesium isotopic perspective. *Geochimica et Cosmochimica Acta*, 422, 145-163.
170. Zhao, D.** , Zhao, G., Wang, X.** , **Teng, F.-Z.**, Sun, M. and Xia, X.-P. (2026) Deep-mantle water transport into the continental crust recorded by zircon water and oxygen isotopes in granulite xenoliths. *Geochimica et Cosmochimica Acta*, 422, 271-283.
169. Chen, Z.-X., **Teng, F.-Z.**, Fan, W. X.* , Zhang, Y., Huang, T.-Y.* , Wang, Z.-Z.** , Stern, R. J., Wang, X. and Zeng, Z. (2026) Contributions of recycled altered oceanic crust to sediment-dominated arc magma sources revealed by potassium isotopes. *Geochimica et Cosmochimica Acta*, 422, 426-436.
168. Li, D.-Y.** , **Teng, F.-Z.**, Xiao, Y.-L., Liu, Z.-C., Gu, H.-O., Li, W.-Y., Liu, X.-C. and Wu, F.-Y. (2026) Garnet's impact on the petrogenesis of Himalayan leucogranites. *Geochimica et Cosmochimica Acta*. 422, 322-329.
167. Ryu, J.-S., Jeong, G. Y., Cheong, A. C. and **Teng, F.-Z.** (2026) Distinct pathways of magnesium isotope fractionation during biotite weathering in granitoid weathering profiles. *Geochimica et Cosmochimica Acta*. 422, 595-606.
166. Liu, D, Zhao, Z., Niu, Y., Yu, X., DePaolo, D. J., **Teng, F.-Z.**, Che, Y., Ke, S. and Mo, X. (2026) Petrogenesis of the melilitite-nephelinite-carbonatite association and its tectonic implication for northeastern Tibetan Plateau. *Journal of Petrology*, 67, egaf105.
<https://doi.org/10.1093/petrology/egaf105>.
165. Zhang, J., Wang, R., **Teng, F.-Z.**, Zhu, D.-C. and Hou, Z.-Q. (2025) Fractionation of amphibole as an endogenic oxidizer in continental arc magmas. *JGR-Solid Earth*, 130, e2025JB033325.
<https://doi.org/10.1029/2025JB033325>.
164. He, Y., Rudnick, R. L., **Teng, F.-Z.**, Wu, H. and Ke, S. (2025) Iron isotopic evidence for growth of continental crust at convergent margins. *Geochemical Perspectives Letter*, 37, 30-34.
<https://doi.org/10.7185/geochemlet.2542>.
163. Chen, Z.-X., **Teng, F.-Z.**, Zhang, Y., Qin, L., Huo, J., Stern, R. J., Jia, L. and Zeng, Z. (2025) Serpentine-dehydration driven redox heterogeneity in cold subduction zone magmas. *Earth and Planetary Science Letters*, 667, 119537. <https://doi.org/10.1016/j.epsl.2025.119537>.
162. Zhao, D.-Y.** , Peter A. Cawood, **Teng, F.-Z.**, Zhao, G., Xia, X.-P., Sun, M. and Wang, X. (2025) A two-stage mantle plume-sagduction origin of Archean continental crust revealed by water and oxygen isotopes of TTGs. *Science Advances*, 11, eadr9513.
<https://doi.org/10.1126/sciadv.eadr9513>.
161. Chen, Z.-X., **Teng, F.-Z.**, Stern, R. J., Li, J., Wang, X. and Zeng, Z. (2025) Molybdenum isotope evidence for subduction-modified mantle beneath the mid-ocean ridges. *Earth and Planetary Science Letters*, 656, 119294. <https://doi.org/10.1016/j.epsl.2025.119294>.
160. Easthouse, G.*** , Hoover, W.** , **Teng, F.-Z.**, Condit, C., Pike, C., Wang, Z.-Z.** , Berg, A.*** , Wynn, P.* , Woods, L. and Poulaki, E. (2025) Formation of talc in the subduction interface: Mg

- isotopes demonstrate Mg loss over Si gain. *Geology*, 53, 398-403.
<https://doi.org/10.1130/G52538.1>.
159. Luo, K., Ma, J.-L., **Teng, F.-Z.**, Wei, G.-J., Zhu, G.-H., Zeng, T. and Wang, Z.-B. (2025) Magnesium isotope fractionation during basalt weathering: An index of weathering fluxes and CO₂ consumption. *JGR-Earth Surface*, 130, e2024JF007774.
<https://doi.org/10.1029/2024JF007774>.
 158. Liu, P.-P.**, Liu, L., **Teng, F.-Z.**, and Wang, Z.-C. (2025) Revisiting magnesium isotope constraints on the petrogenesis of the Fe-Ti oxide-bearing mafic-ultramafic intrusions. *Geochimica et Cosmochimica Acta*, 389, 100-109. <https://doi.org/10.1016/j.gca.2024.09.025>.
 157. **Teng, F.-Z.** and Williams H. M. (2025) Non-traditional stable isotope geochemistry of oceanic basalts. in: Chauvel, C. (ed), Earth's Interior. Weiss, C. and Anbar, A. (series editor), *Treatise on Geochemistry*, 3e. vol. 1, pp. 463-511. UK: Elsevier. <https://doi.org/10.1016/B978-0-323-99762-1.00133-9>.
 156. Wang, Z.-Z.**, **Teng, F.-Z.**, Zeng, L.-S. and Liu, Z.-C. (2024) Himalayan leucogranites: A geochemical perspective. *Elements*. 20, 395 – 400, doi: 10.2138/gselements.20.6.395.
 155. **Teng, F.-Z.** and Wu, F.-Y. (2024) Himalayan leucogranites: Petrogenesis and significance. *Elements*. 20 (6), 367 – 372, doi: 10.2138/gselements.20.6.367.
 154. Tian H.-C.**, **Teng, F.-Z.**, Chen, X.-Y.**, Bindeman, I. N. and Ryan, J. C. (2024) Tracing island arc petrogenesis using potassium isotopes. *Earth and Planetary Science Letters*, 646, 119016.
<https://doi.org/10.1016/j.epsl.2024.119016>.
 153. Che, Y., Liu, D., Zhao, Z., Niu, Y., **Teng, F.-Z.**, DePaolo, D. J., Yu, X., Zhu, D.-C., Qi, N. and Mo, X. (2024) Miocene alkaline basaltic magmatism in Northeastern Tibet: Implications for mantle evolution and plateau outward growth. *Geochemistry, Geophysics, Geosystems*, 25, e2024GC011601. <https://doi.org/10.1029/2024GC011601>.
 152. Shi, Q., He, Y., Zhu, J.-M., Wang, Y., Wang, Y., Wu, H., Wang, P., Yang, R., Sun, A., Zhang, Y., Wu, G., Wan, R., Lu, Z., **Teng, F.-Z.**, Li, C., Yang, W., Zhang, C., Han, Z. and Ke, S. (2024) Elemental differentiation and isotopic fractionation during space weathering of Chang'E-5 lunar soil. *Geochimica et Cosmochimica Acta*, 378, 127-143.
 151. Xing, K.-C.*, Wang, F., **Teng, F.-Z.**, Xu, W.-L., Wang, Y.-N., Yang, D.-B., Li, H.-L. and Wang, Y.-C. (2024) Potassium isotopic evidence for recycling of surface water into the mantle transition zone. *Nature Geosciences*, 17, 579-585. <https://doi.org/10.1038/s41561-024-01452-y>.
 150. Sun, Y**, **Teng, F.-Z.**, Rooney, T. O., Pang, K.-N. and Wang, Z.-Z. (2024) Magnesium isotope behavior during titanomagnetite fractionation in basaltic lavas. *Chemical Geology*, 655, 122088.
<https://doi.org/10.1016/j.chemgeo.2024.122088>.
 149. Liu, S.-A., Rudnick, R. L., Liu, W.-R., **Teng, F.-Z.**, Wu, T.-H.* and Wang, Z.-Z.** (2023) Copper isotope evidence for sulfide fractionation and lower crustal foundering in making continental crust. *Science Advances*, 9, eadg6995.
 148. Chen, L.-M., Lightfoot, P. C., Zhu, J.-M., **Teng, F.-Z.**, Duan, Q., Yin, R., Wu, G.-L., Yu, S.-Y. and Hu, R.-Z. (2023) Nickel isotope ratios trace the process of sulfide-silicate liquid immiscibility during magmatic differentiation. *Geochimica et Cosmochimica Acta*, 353, 1-12.
 147. Qu, Y.-R., Liu, S.-A., Busigny, V., Wang, Z.-Z.** and **Teng, F.-Z.** (2023) Carbonate-silicate interaction in subducting slabs recorded by Zn isotopes in western Alps metasediments. *Earth and Planetary Science Letters*, 616, 118234.
 146. Yang, X.-M.*, Wang, S.-J., Zhang, Y.-W., Dong, X.-H., **Teng, F.-Z.**, Helz, R. T., Huang, J., Li, X.-H. and Huang, S. (2023) Nickel isotope fractionation during magmatic differentiation. *Geochemistry, Geophysics, Geosystems*, 24, e2023GC010926.
<https://doi.org/10.1029/2023GC010926>.
 145. Wu, J., Lei, H., Ma, Q.*, Zhao, Z., **Teng, F.-Z.**, Zhang, S., Cousens, B., Miao, Z., Yang, Y., Liu, D., Wang, Q., Zhu, D.-C., Hou, Z. and Mo, X. (2023) Petrogenesis and dynamic significance of

- Miocene-Holocene alkali basalts in the southeastern Tibetan Plateau. *Lithos*, 448-449, 107165. <https://doi.org/10.1016/j.lithos.2023.107165>.
144. Chanda, P.*, Kohli, A., **Teng, F.-Z.** and Fantle, M. S. (2023) Clay authigenesis in carbonate-rich sediments and its impact on carbonate diagenesis. *Geochimica et Cosmochimica Acta*, 346, 76-101.
 143. Nie, N. X.*, Chen, X.-Y.***, Zhang, Z. J., Hu, J. Y., Liu, W., Tissot, F. L. H., **Teng, F.-Z.**, Shahar, A. and Dauphas, N. (2023) Rubidium and potassium isotopic variations in chondrites and Mars: Accretion signatures and planetary overprints. *Geochimica et Cosmochimica Acta*, 344, 207-229.
 142. Huang, T.-Y.*, **Teng, F.-Z.**, Wang, Z.-Z.***, He, Y.-S., Wu, F.-Y. and Liu, X.-C. (2023) Potassium isotope fractionation during granitic magmatic differentiation: Mineral-pair perspectives. *Geochimica et Cosmochimica Acta*, 343, 196-211.
 141. Kettler, R. M., He, Y., Ke, S., **Teng, F.-Z.** and Loope, D. B. (2022) Iron isotope evidence for siderite precursors to iron oxide concretions from the Navajo sandstone, Utah. *Chemical Geology*, 612, 121146. <https://doi.org/10.1016/j.chemgeo.2022.121146>.
 140. Wang, Z.-Z.***, **Teng, F.-Z.**, Wu, F.-Y., Liu, Z.-C., Liu, X.-C., Liu, S.-A. and Huang, T.-Y.* (2022) Extensive crystal fractionation of high-silica magmas revealed by potassium isotopes. *Science Advances*, 8, eabo4492. <https://doi.org/10.1126/sciadv.abo4492>.
 139. Lei, H., Zhao, Z., Ma, Q., **Teng, F.-Z.**, Zhang, S., Cousens, B., Liu, D., Zhu, D.-C., Wang, Q., Miao, Z., Yang, Y. and Wu, J. (2022) Petrogenesis of the Paleogene potassium-rich volcanic rocks in the western Yangtze Craton, southeastern Tibetan Plateau. *Lithos*, 430-431, 106886. <https://doi.org/10.1016/j.lithos.2022.106886>.
 138. Xing, K.-C.*, Wang, F., **Teng, F.-Z.**, Xu, W.-L., Li, M., Sun, Y.-W. and Yang, D.-B. (2022) High-latitude climatic response across the Triassic-Jurassic boundary recorded by Mg-Cu-Zn isotopes. *Chemical Geology*, 610, 121085. <https://doi.org/10.1016/j.chemgeo.2022.121085>.
 137. Li, W.-S.*, Liu, X.-M., Hu, Y.***, **Teng, F.-Z.**, Dong, S. and Chadwick, O. A. (2022) Potassium isotope fractionation during chemical weathering in humid and arid Hawaiian regoliths. *Geochimica et Cosmochimica Acta*, 333, 39-55.
 136. Tian H.-C.***, **Teng, F.-Z.**, Chen, X.-Y.***, Guo, Z.-X., Peng, X.-T., Yang, W. and Xiao, Y.-L. (2022) Multi-mode chemical exchange in seafloor alteration revealed by lithium and potassium isotopes. *Chemical Geology*, 606, 121004. <https://doi.org/10.1016/j.chemgeo.2022.121004>.
 135. He, Y.-S., Sun, A.-Y., Zhang, Y.-C., Yang, R.-Y., Ke, S., Wang, Y. and **Teng, F.-Z.** (2022) High precision and high-accuracy magnesium isotope analysis on multiple-collector inductively coupled plasma mass spectrometry using a critical mixture double spike technique. *Solid Earth Sciences*, 7, 188-199.
 134. Li, W.-J., Cui, M., Pan, Q., Wang, J., Gao, B., Liu, S., Su, B., Zhao, Y., **Teng, F.-Z.** and Han, G.-L. (2022) High-precision potassium isotope analysis using the Nu Sapphire collision cell (CC) MC-ICP-MS. *Science China Earth Sciences*, 65, <https://doi.org/10.1007/s11430-022-9948-6>.
 133. Huang, K.-J., **Teng, F.-Z.**, Shen, B., Ma, L., Zhang, H., Zhang, P. and Wang, Q. (2022) Tracing surficial processes by stable magnesium isotopes: Principles and applications. *Bulletin of Mineralogy, Petrology and Geochemistry (in Chinese)*, 41, 213-234. <https://doi.org/10.19658/j.issn.1007-2802.2022.41.014>.
 132. Wang, Z.-Z.***, **Teng, F.-Z.**, Busigny, V. and Liu, S.-A. (2022) Evidence from HP/UHP metasediments for subduction of isotopically heterogeneous potassium into the mantle. *American Mineralogist*, 107, 350-356. <https://doi.org/10.2138/am-2021-7923>.
 131. Wang, Z.-Z.***, Liu, S.-A., Rudnick, R. L., **Teng, F.-Z.**, Wang, S.-J. and Haggerty, S. E. (2022) Zinc isotope evidence for carbonate alteration of oceanic crustal protoliths of cratonic eclogites. *Earth and Planetary Science Letters*, 580, 117394.

130. Nie, N.X.*, Chen, X.-Y.**, Hopp, T., Hu, J. Y., Zhang, J. Z., **Teng, F.-Z.**, Shahar, A. and Dauphas, N. (2021) Imprint of chondrules formation on the K and Rb isotopic compositions of carbonaceous chondrites. *Science Advances*, 7, eabl3929.
129. Lei, H., Zhao, Z., Niu, Y., Zhang, S., Cousens, B., Ma, Q., **Teng, F.-Z.**, Liu, D., Miao, Z., Yang, Y., Wu, J., Wang, Q., and Zhu, D.-C. (2021) Identifying deep recycled carbonates through Miocene basalts in the Maguan area, SE Tibetan Plateau. *Lithos*, 400-401, 106356.
128. Wang, Z.-Z.**, **Teng, F.-Z.**, Prelevic, D., Liu, S.-A. and Zhao, Z. (2021) Potassium isotopic evidence for sediment recycling into the orogenic lithospheric mantle. *Geochem. Persp. Let.* 18, 43-47. <https://doi.org/10.7185/geochemlet.2123j>.
127. Chen, L.-M., **Teng, F.-Z.**, Song, X.-Y., Luan, Y., Yu, S.-Y. and Kang, J. (2021) Origins and implications of magnesium isotopic heterogeneity in Fe-Ti oxides in layered mafic intrusions. *Geochimica et Cosmochimica Acta*, 308, 273-290. <https://doi.org/10.1016/j.gca.2021.06.016>.
126. Li, W.-S.*, Liu, X.-M., Hu, Y.**, **Teng, F.-Z.**, Hu, Y. and Chadwick, O. A. (2021) Potassium isotopic fractionation in a humid and an arid soil-plant system in Hawaii. *Geoderma*, 400, 115219. <https://doi.org/10.1016/j.geoderma.2021.115219>.
125. Sun, Y.**, **Teng, F.-Z.**, Pang, K.-N., Ying, J.-F. and Kuehner, S. (2021) Multistage mantle metasomatism deciphered by Mg-Sr-Nd-Pb isotopes in the Leucite Hills lamproites. *Contributions to Mineralogy and Petrology*, 176, 45. <https://doi.org/10.1007/s00410-021-01801-9>.
124. Li, W.-S.*, Liu, X.-M., Hu, Y.**, **Teng, F.-Z.** and Hu, Y. (2021) Potassium isotopic fractionation during clay adsorption. *Geochimica et Cosmochimica Acta*, 304, 160-177.
123. Nie, N. X.*, Dauphas, N., Alp, E. E., Zeng, H., Sio, C. K., Hu, J. Y., Aarons, S. M., Zhang, Z., Tian, H.-C.**, Prissel, K. B., Greer, J., Bi, W., Hu, M. Y., Shahar, A., Roskosz, M., **Teng, F.-Z.**, Krawczynski, M. J., Heck, P. R. and Spear, F. S. (2021) Iron, magnesium, and titanium isotopic fractionations between garnet, ilmenite, fayalite, biotite, and tourmaline: Results from NRIXS, ab initio, and study of mineral separates from the Moosilauke metapelite. *Geochimica et Cosmochimica Acta*, 302, 18-45. <https://doi.org/10.1016/j.gca.2021.03.014>.
122. Moynier, F., Hu, Y., Wang, K., Zhao, Y., Gerard, Y., Deng, Z., Moureau, J., Li, W., Simon, J. and **Teng, F.-Z.** (2021) Potassium isotopic composition of various samples using a collision-cell inductively coupled plasma mass spectrometer, Nu Instrument Sapphire. *Chemical Geology*, 571. 120124. <https://doi.org/10.1016/j.chemgeo.2021.120144>.
121. Hu, Y.**, **Teng, F.-Z.**, Helz, R. T. and Chauvel, C. (2021) Potassium isotope fractionation during magmatic differentiation and the composition of the mantle. *JGR-Solid Earth*. 126, e2020JB021543. <https://doi.org/10.1029/2020JB021543>.
120. Sun, Y.**, **Teng, F.-Z.** and Pang, K.-N. (2021) The presence of paleo-Pacific slab beneath northwest North China Craton hinted by low- $\delta^{26}\text{Mg}$ basalts at Wulanhada. *Lithos*, 386-387. 106009.
119. Wang, F., Xing, K.-C., Xu, W.-L., **Teng, F.-Z.**, Xu, Y.-G. and Yang, D.-B. (2021) Permian ridge subduction in the easternmost Central Asian Orogenic Belt: Magmatic record using Sr-Nd-Pb-Hf-Mg isotopes. *Lithos*, 384-385, 105966.
118. Wang, S.-J., Wang, W., Zhu, J.-M., Wu, Z., Liu, J., Han, G., **Teng, F.-Z.**, Huang, S., Wu, H., Wang, Y., Wu, G. and Li, W.-H. (2021) Nickel isotopic evidence for late-stage accretion of Mercury-like differentiated planetary embryos. *Nature Communications*, 12, 294. <https://doi.org/10.1038/s41467-020-20525-1>.
117. Hu, Y.**, **Teng, F.-Z.**, and Chauvel, C. (2021) Potassium isotopic evidence for sedimentary input to the mantle source of Lesser Antilles lavas. *Geochimica et Cosmochimica Acta*, 295, 98-111.
116. Hu, Y.** and **Teng, F.-Z.** (2021) Non-traditional stable isotope geochemistry, in Alderton, D. and Elias, S. (eds.), *Encyclopedia of Geology*, 2nd edition. Vol. 5, 114-124. United Kingdom: Academic Press. <https://doi.org/10.1016/B978-0-08-102908-4.00148-X>. [Invited contribution]

115. Li, M.Y.H.*, **Teng, F.-Z.**, and Zhou, M.-F. (2021) Phyllosilicate controls on magnesium isotopic fractionation during weathering of granites: Implications for continental weathering and riverine system. *Earth and Planetary Science Letters*, 553, 116613.
<https://doi.org/10.1016/j.epsl.2020.116613>.
114. Mendybaev, R. A., Kamibayashi, M., **Teng, F.-Z.**, Savage, P. S., Georg, R. B., Richter, F. M. and Tachibana, S. (2021) Experiments quantifying elemental and isotopic fractionations during evaporation of CAI-like melts in low-pressure hydrogen and in vacuum: Constraints on thermal processing of CAIs in the protoplanetary disk. *Geochimica et Cosmochimica Acta*, 292, 557-576.
113. Hu, Y.***, **Teng, F.-Z.**, Plank, T and Chauvel, C. (2020) Potassium isotopic heterogeneity in subducting oceanic plates. *Science Advances*, 6: eabb2472.
112. Chen, X.-Y.***, **Teng, F.-Z.**, Huang, K.-J. and Algeo, T. J. (2020) Intensified chemical weathering during Early Jurassic revealed by magnesium isotopes. *Geochimica et Cosmochimica Acta*, 287, 263-276.
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13. Dauphas, N., **Teng, F.-Z.** and Arndt, N. T. (2010) Magnesium and iron isotopes in 2.7 Ga Alexo komatiites: Mantle signatures, no evidence for Soret diffusion, and identification of diffusive transport in zoned olivine. *Geochimica et Cosmochimica Acta*, 74, 3274-3291.
12. Yang, W.** , **Teng, F.-Z.** and Zhang H.-F. (2009) Chondritic magnesium isotopic composition of the terrestrial mantle: A case study of peridotite xenoliths from the North China craton. *Earth and Planetary Science Letters*, 288, 475-482.
11. Dauphas, N., Pourmand, A. and **Teng, F.-Z.** (2009) Routine isotopic analysis of iron by HR-MC-ICPMS: How precise and how accurate? *Chemical Geology*, 267, 175-184.
10. Richter, F. M., Dauphas, N. and **Teng, F.-Z.** (2009) Non-traditional fractionation of non-traditional isotopes: Evaporation, chemical diffusion and Soret diffusion. *Chemical Geology*, 258, 92-103.
9. **Teng, F.-Z.**, Rudnick, R. L., McDonough, W.F. and Wu F.-Y. (2009) Lithium isotopic systematics of A-type granites and their mafic enclaves: Further constraints on the Li isotopic composition of the continental crust. *Chemical Geology*, 262, 415-424.
8. Richter, F. M., Watson, E. B., Mendybaev, R., **Teng, F.-Z.**, and Janney, P. (2008) Magnesium isotope fractionation in silicate melts by chemical and thermal diffusion. *Geochimica et Cosmochimica Acta*, 72, 206-220.
7. **Teng, F.-Z.**, Rudnick, R. L., McDonough, W.F., Gao, S., Tomascak, P.B. and Liu, Y.-S. (2008) Lithium isotopic composition and concentration of the deep continental crust. *Chemical Geology*, 255, 47-59.
6. **Teng, F.-Z.**, Dauphas, N. and Helz R. T. (2008) Iron isotope fractionation during magmatic differentiation in Kilauea Iki lava lake. *Science*, 320, 1620-1622. With a perspective titled “What drives iron isotope fractionation in magma” written by Weyer.
5. **Teng, F.-Z.**, Wadhwa, M., and Helz R. T. (2007) Investigation of magnesium isotope fractionation during basalt differentiation: Implications for a chondritic composition of the terrestrial mantle. *Earth and Planetary Science Letters*, 261 (1-2), 84-92.
4. **Teng, F.-Z.**, McDonough, W. F., Rudnick, R. L. and Wing, B. A. (2007) Limited lithium isotopic fractionation during progressive metamorphic dehydration in metapelites: A case study from the Onawa contact aureole, Maine. *Chemical Geology*, 239, 1-12.
3. **Teng, F.-Z.**, McDonough, W. F., Rudnick, R. L. and Walker, R. J. (2006) Diffusion-driven extreme lithium isotopic fractionation in country rocks of the Tin Mountain pegmatite. *Earth and Planetary Science Letters*, 243 (3-4), 701-710.

2. **Teng, F.-Z.**, McDonough, W. F., Rudnick, R. L., Walker, R. J. and Sirbescu, M.-L. C. (2006) Lithium isotopic systematics of granites and pegmatites from the Black Hills, South Dakota. *American Mineralogist*, 91, 1488-1498.
1. **Teng, F.-Z.**, McDonough, W. F., Rudnick, R. L., Dalpé, C., Tomascak, P. B., Chappell, B. W. and Gao, S. (2004) Lithium isotopic composition and concentration of the upper continental crust. *Geochimica et Cosmochimica Acta*, 68(20), 4167-4178.

Non-peer-reviewed Publications

12. **Teng, F.-Z.**, Arevalo, R. D., Liu, X.-M., Tang, M. eds. (2026) Geochemical insights into planetary evolution: from core to surface. *Geochimica et Cosmochimica Acta*, 422, 1-8.
11. **Teng, F.-Z.** (2023) Presentation of the Goldschmidt Medal of the Geochemical Society for 2023 to Roberta L. Rudnick. *Geochimica et Cosmochimica Acta*, 361, 306 - 306.
10. Rudnick, R. L. and **Teng, F.-Z.** (2023) Presentation of the Dana Medal of the Mineralogical Society of America for 2022 to Cin-Ty Lee. *American Mineralogist*, 108, 775.
9. Roche, O., Y. Aoki, N. Bagdassarov, M. Heap, S. Hreinsdottir, Q. Huang, D. Pastor-Galan, M. Poland, M. Sachpazi, **F.-Z. Teng**, G. Waite, M. Edmonds, P. Asimow, M. Zhang, and G. Caprarelli (2022), Dynamics of volcanic processes. *Eos*, 103, <https://doi.org/10.1029/2022EO225019>. Published on 6 July 2022.
8. Zheng, Y.-F. and **Teng, F.-Z.** (2021) The aspiration and mission of geochemistry. *Bulletin of Mineralogy, Petrology and Geochemistry (in Chinese)*, 40, 499-501.
7. **Teng, F.-Z.**, Lee, C.-T., Aulbach, S., and Liu, X.-M. (2020) The continents: Origin, evolution and interactions with other reservoirs. *Geochimica et Cosmochimica Acta*, 278, 1-5.
6. **Teng, F.-Z.** (2019) Book Review, “Encyclopedia of Geochemistry”. *Elements*, 15, 137-138.
5. **Teng, F.-Z.** and Ma, L. (2016) Deciphering isotope signatures of Earth Surface and Critical Zone processes. *Chemical Geology*, 445, 1-3.
4. **Teng, F.-Z.** (2015) Acceptance of the Mineralogical Society of America Award. *American Mineralogist*, 100, 1318-1318.
3. Sun, W., **Teng, F.-Z.**, Tatsumi, Y., Niu, Y.-L., Yang, X.-Y. and Ling, M.-X. (2014) The Subduction Factory: Geochemical perspectives. *Geochimica et Cosmochimica Acta*, 143, 1-7.
2. **Teng, F.-Z.** (2011) High-temperature fractionation of non-traditional stable isotopes. *10000 Selected Problems in Sciences (in Chinese)*, 479-482.
1. **Teng, F.-Z.** (2005) Lithium isotopic systematics of the continental crust. *Ph.D. Dissertation*, University of Maryland, College Park, MD.

Invited Talks

- | | |
|------|--|
| 2026 | V. M. Goldschmidt Conference, Montreal
Earth and Planets Laboratory, Carnegie Science
Institute of Earth Sciences, FU Berlin |
| 2025 | Yangtze University
China University of Geosciences, Wuhan
Northwest University |
| 2024 | F. Earl Ingerson Lecture, Geochemical Society
University of California, Los Angeles |
| 2023 | The University of Hong Kong
University of Minnesota, Twin Cities |
| 2022 | V. M. Goldschmidt Conference, Hawaii
Institute of Oceanology, Chinese Academy of Sciences (virtual) |

University of Washington, Seattle (Earth and Space Sciences)

2021 Jilin University (virtual)

2020 V. M. Goldschmidt 2020 Virtual Workshop “Applications of isotope tracers to geochemical kinetics studies”
The 3rd summer school on non-traditional stable isotope geochemistry (virtual)

2019 Institute de Physique du Globe de Paris
Jiu-Zhang Zhao Lecture, University of Science and Technology of China
Symposium on the 111 project: Petrogenesis and continental crustal formation in collisional zones, China University of Geosciences, Beijing
Northwest University
Chang’An University
Institute of Earth Environment, Chinese Academy of Sciences

2017 International conference in memory of Prof. Bor-Ming Jahn: Asian Orogeny and Continental Evolution: New Advances from Geologic, Geophysical and Geochemical Perspectives, Taipei
China University of Geosciences, Beijing
Institute of Geology & Geophysics, Chinese Academy of Sciences
Nanjing University
University of Nevada, Las Vegas

2016 Workshop on measurement, theories and application of non-traditional stable isotopes
V. M. Goldschmidt Conference, Japan
Academia Sinica, Taiwan, Republic of China
Chinese Academy of Geological Sciences
China University of Geosciences, Beijing
International Workshop on Multi-Well Deep Underground Laboratory in Eastern China
University of North Carolina, Chapel Hill

2014 GSA Annual Meeting in Vancouver
Institute of Geology & Geophysics, Chinese Academy of Sciences
The 1st summer school on non-traditional stable isotope geochemistry
University of Hong Kong

2013 University of Oregon
University of Washington, Seattle (School of Oceanography)

2012 Washington University, St Louis
University of Washington, Seattle (Earth and Space Sciences)
University of Texas, Arlington

2011 China University of Geosciences, Beijing
University of Nebraska, Lincoln
University of Texas, El Paso
University of Science and Technology of China

2010 Guangzhou Institute of Geochemistry, Chinese Academy of Sciences
University of Tulsa
Woods Hole Oceanographic Institution

2009 Scripps Institute of Oceanography
Louisiana State University

2008 7th International Sector Field ICP-MS Meeting
American Geophysical Union Spring Meeting
China University of Geosciences, Wuhan
Louisiana State University
University of Science and Technology of China

2007	Institute of Geology and Geophysics, Chinese Academy of Sciences
2006	The University of Chicago University of Illinois at Urbana-Champaign
2005	The Field Museum of Natural History, Chicago
2004	Institute of Geology and Geophysics, Chinese Academy of Sciences University of Science and Technology of China

External Funding (Total = 4,013,424)

- ❖ Isotope Laboratory Revenue: \$822,935 (7/2017 – 2/2025)
- ❖ UW, College of the Environment Collaborative Research in Earth System Science and Technology (CRESST) Funding, “Quantifying carbon leakage in the river system using Mg isotopes” \$76,473, sole PI. Duration: February 2026 – December 2026.
- ❖ UW, Earth & Space Sciences Cheney Endowed Fund for Faculty Support, “Fingerprinting origins of REE deposits using europium isotope geochemistry” \$5,000, sole PI. Duration: October 2025 – June 2026.
- ❖ UW, College of the Environment Seed Grant, “Development of compound-specific metal isotopes as biomarkers for environmental and human health” \$78,000, Co-PI. Duration: December 2024 – December 2025.
- ❖ NASA-Emerging Worlds, “Rubidium and potassium isotopic studies of volatile element depletion in the Early Solar System”, UW portion: \$139,251, Co-I. Duration: 10/2021 – 9/2024.
- ❖ NASA-Exobiology, “Biogeochemical studies of the early Earth and implications for life elsewhere”, \$500,000, Co-I. Duration: 2/2021 – 2/2025, with one-year no cost extensions.
- ❖ NSF-EAR, “EAGER: Collaborative Research: Testing the marine carbonate recycling hypothesis”, \$49,636 (UW portion), Co-PI. Duration: August 2017 – July 2018.
- ❖ Natural Science Foundation of China-Collaborative Research Projects for Overseas, Hong Kong and Macao Scholars, “Magnesium isotopic constraints on the evolution of Tibetan Plateau”, ~ \$300,000, PI. Duration: January 2018 – December 2021.
- ❖ Murdock Foundation, “Trace Element Laboratory for Environmental Science”, \$826,633, Co-PI. Duration: February 2016 – January 2018.
- ❖ NASA-Exobiology, “Biogeochemical studies of the atmosphere and oceans on the early Earth”, \$488,746, Co-I. Duration: May 2015 – May 2019, with one-year no cost extension.
- ❖ NSF-EAR, “CAREER: Studies of magnesium isotope geochemistry”, \$458,928, sole PI. Duration: May 2011 – April 2017, with one-year no cost extension.
- ❖ UW-RRF, “Development of method for high-precision potassium (K) isotope analysis of terrestrial and lunar samples by MC-ICPMS” \$36,000, sole PI. Duration: September 2014 – August 2015.
- ❖ State Key Laboratory of Isotope Geochemistry, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, “Stable Sr isotopic studies of Kilauea Iki lava lake, Hawaii”, \$15,000, sole PI. Duration: October 2014 – September 2016.
- ❖ NSF-EAR, “Acquisition of micro mill for in-situ isotopic analysis of zoned minerals: A supplement request for NSF CAREER award EAR-1056713”, \$50,000, sole PI. Duration: May 2012 – June 2013.
- ❖ Arkansas Space Grant Consortium, “Constraints on Martian magmatism by studying Mg isotopic composition of Martian meteorites”, \$7,500, sole PI. Duration: May 2012 – April 2013.
- ❖ NSF-EAR, “Magnesium isotopic investigations of oceanic basalts and olivines”, \$175,022, sole PI. Duration: February 2009 – January 2013 (with one-year cost-free extension).
- ❖ Arkansas Space Grant Consortium, “Magnesium and iron isotopic investigation of lunar samples”, \$11,400, sole PI. Duration: April 2010 – April 2011.

- ❖ Natural Science Foundation of China, “Lithium and magnesium isotopic studies of adakitic rocks from North China craton”, ~\$14,500, co-PI. Duration: January 2009 – December 2012.
- ❖ Natural Science Foundation of China, “Investigations of olivine zoning in Kilauea Iki lavas”, ~\$14,500, co-PI. Duration: February 2009 – January 2011.

Other Funding (Total = \$9,900)

- ❖ 2016 The Meeting Assistance Program of the Geochemical Society, \$2,000
- ❖ 2012 Robert C. and Sandra Connor Endowed Faculty Fellowship, Fulbright College, \$1,500.
- ❖ 2011 Travel to NSF sponsored workshop “Teaching Mineralogy, Petrology and Geochemistry in the 21st Century”, \$500
- ❖ 2010 Travel to NSF sponsored workshop “Early Career Faculty in the Geosciences: Teaching, Research, and Managing Your Career”, \$500
- ❖ 2009 Teaching support, UARK, \$400
- ❖ 2008-2012 Dean’s Travel Grant, Fulbright College, \$1,000 per year

Teaching Experience

University of Washington, Seattle

ESS 312/316: *Geochemistry*, Spring 2013*, 2016, 2017, 2018, 2020, 2021*, 2022, 2023, 2024, Autumn 2025
 ESS 439: *Igneous Petrology*, Autumn 2013, 2014; Winter 2017, 2020, 2021, 2022
 ESS 501: *Geochemical Systems*, Spring 2014, 2015; Autumn 2015, 2016, 2017, 2018, 2020, 2022, 2023, 2024
 ESS 507: *High-Temperature Geochemistry*, Winter 2014, 2015, 2018, 2023, 2025, 2027
 ESS 565: *Non-Traditional Isotope Geochemistry*, Autumn 2021, Winter 2016, 2024
 ESS 590: *Oral history of ESS*, Spring 2025.

*co-teach with Prof. John Stone

University of Arkansas, Fayetteville

Geol 2313: *Minerals and Rocks*, Fall 2009, 2010, 2011, 2012
 Geol 4063: *Principles of Geochemistry*, Spring 2009, 2010, 2011, 2012
 Geol 560V: *Non-Traditional Isotope Geochemistry*, Fall 2010, 2012
 SPAC 5413: *Planetary Geology*, Spring 2010, 2011

University of Maryland, College Park

Geol 100 *Introduction to Physical Geology* (TA), Fall 2005

Research Advisees

At the University of Washington, Seattle

Visitors

1. Dr. Zuxing Chen, associate professor, Institute of Oceanography, Chinese Academy of Sciences, 9/2026 – 12/2026
2. Ms. Shuhan Pan, PhD student, Sun Yat-Sen University, 12/2025 – 1/2026
3. Dr. Jong Sik Ryu, professor, Pukyong National University, 3/2025 – 8/2025
4. Dr. Haiyang Liu, assistant professor, Institute of Oceanography, Chinese Academy of Sciences, 12/2024 – 12/2025.

5. Dr. Feng Wang, professor, Jiling University, 8/2024 – 9/2024.
6. Dr. Ardiansyah Koeshidayatullah, assistant professor, King Fahd University of Petroleum and Minerals, 3/2024 – 4/2024
7. Mr. Giancarlo DeFrancesco, PhD student, the University of Hong Kong, 2/2024 – 3/2024, 5/2024-5/2024, 12/2024 -2/2025.
8. Mr. Paulo Dias, researcher, Geological Survey of Brazil, 1/2024 – 10/2024
9. Dr. Zuxing Chen, associate professor, Institute of Oceanography, Chinese Academy of Sciences, 12/2023 – 6/2024.
10. Dr. Zhigang Zeng, professor, Institute of Oceanography, Chinese Academy of Sciences, 1/2024 – 6/2024.
11. Dr. Anupam Banerjee, assistant professor, Indian Institute of Science, 5/2023 – 7/2024.
12. Mr. Yin-Ce Ma, PhD student, Institute of Geology and Geophysics, Chinese Academy of Sciences, 5/2023 – 5/2024.
13. Ms. Jiyeong Lee, PhD student, Pukyong National University, 3/2023 – 3/2024
14. Dr. Zhigang Zeng, professor, Institute of Oceanography, Chinese Academy of Sciences, 12/2022 – 3/2023
15. Dr. Zuxing Chen, assistant professor, Institute of Oceanography, Chinese Academy of Sciences, 12/2022 – 3/2023
16. Dr. Yingkui Xu, assistant professor, Institute of Geochemistry, Chinese Academy of Sciences, 1/2020–8/2020
17. Dr. Dandan Li, lecturer, China University of Geosciences, Beijing, 11/2019–6/2020.
18. Dr. Feng Wang, associate professor, Jiling University, 9/2019–10/2019.
19. Mr. Wenshuai Li, PhD student, Univ. of North Carolina, Chapel Hill, 7/2019–8/2019.
20. Dr. Lie-Meng Chen, Professor, Institute of Geochemistry, Chinese Academy of Sciences, 6/2019–5/2020.
21. Ms. Kai-Chen Xing, PhD student, Jiling University, 6/2019–12/2019.
22. Ms. Wang-Ting Ge, PhD student, Institute of Geochemistry, Chinese Academy of Sciences, 3/2019– 5/2020.
23. Mr. Xin Yang, undergraduate student, School of Earth and Space Sciences, University of Science and Technology of China, 3/2019 – 5/2019.
24. Mr. Chris Defelice, PhD student, University of Nevada, Las Vegas, 2/2019–3/2019.
25. Dr. Ming-Zhu Liu, associate professor, China University of Geosciences, Beijing, 12/2018 – 6/2020.
26. Dr. Heng-Ci Tian, assistant researcher, Institute of Geology and Geophysics, Chinese Academy of Sciences, 9/2018–9/2019.
27. Dr. Yang Sun, assistant researcher, Inst. of Earth Sciences, Academia Sinica, 7/2018–9/2018.
28. Mr. William L. Fleming, undergraduate student, Columbia University, 6/2018–8/2018.
29. Dr. Jin-Long Ma, professor, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, 6/2018–6/2018.
30. Mr. Pan Zhang, undergraduate student, Northwest University, 1/2018–4/2018.
31. Dr. Feng Wang, associate professor, Jiling University, 12/2017–12/2018.
32. Dr. Mao-Yong He, associate professor, Institute of Earth Environment, Chinese Academy of Sciences, 12/2017–12/2018.
33. Mr. Yan Hei Li, PhD student, Department of Earth Sciences, University of Hong Kong, 12/2017–3/2018.
34. Ms. Qian Ma, PhD student, China University of Geosciences, Beijing, 12/2017–3/2018.
35. Ms. Xianfang Li, graduate student, Chinese Academy of Geological Sciences, 11/2017–1/2018.
36. Ms. Jingjing Yan, PhD student, China University of Geosciences, Beijing, 9/2017–9/2018.
37. Mr. Yu Li, PhD student, Jiling University, 8/2017–2/2018.

38. Dr. Shihong Tian, professor, Chinese Academy of Geological Sciences, 7/2017–7/2019
39. Mr. Yong-Shu Huang, undergraduate student, China Univ. of Geosciences, Wuhan, 7/2017–8/2017
40. Ms. Shelby Fitch, undergraduate student, University of Nevada, Las Vegas, 7/2017–8/2017
41. Dr. Racheal Johnsen, postdoc, University of Nevada, Las Vegas, 6/2017–7/2017
42. Mr. Chris Defelice, PhD student, University of Nevada, Las Vegas, 6/2017–8/2017
43. Dr. Kang-Jun Huang, assistant professor, Northwest University, 1/2017–4/2017
44. Mr. Ning Yang, PhD student, China University of Geosciences, Beijing, 11/2016–11/2017
45. Dr. Yingkui Xu, assistant professor, Institute of Geochemistry, Chinese Academy of Sciences, 11/2016–10/2017
46. Ms. Yi-Hsuan Chiang, research assistant, Inst. of Earth Sciences, Academia Sinica, 11/2016–1/2017
47. Dr. Jin-Long Ma, associate professor, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, 11/2016–12/2016
48. Ms. Yu-Fei Liu, PhD student, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, 10/2016–4/2017
49. Dr. Ming-Xing Ling, associate professor, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, 8/2016–9/2016
50. Mr. Hebin Shao, PhD student, Tongji University/WHOI, 7/2016–9/2016
51. Dr. Lie-Meng Chen, associate professor, Institute of Geochemistry, Chinese Academy of Sciences, 2/2016–2/2017
52. Dr. Yongsheng He, associate professor, China Univ. of Geosciences, Beijing, 2/2016–2/2017
53. Dr. Jin-Long Ma, associate professor, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, 2/2016–9/2016
54. Dr. Zhuang Ruan, lecturer, China University of Geosciences, Beijing, 1/2016–1/2017
55. Mr. Hong-Jie Wu, PhD student, China University of Geosciences, Beijing, 10/2015–12/2016
56. Mr. Yang Sun, PhD student, Institute of Geology and Geophysics, Chinese Academy of Sciences, 9/2015–9/2016
57. Mr. Zhe Yang, undergraduate of China Univ. of Geosciences, Beijing, 9/2015 – 6/2016
58. Dr. Ming-Xing Ling, associate professor, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, 3/2015–6/2015
59. Dr. Kwan-Nang Pang, assistant research fellow, Institute of Earth Sciences, Academia Sinica, 3/2015–5/2015
60. Dr. Bing Shen, professor, Peking University, 1/2015–2/2015
61. Dr. Lin Dong, assistant professor, Peking University, 1/2015–2/2015
62. Dr. Weidong Sun, Professor, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, 6/2014–6/2014
63. Mr. Hai-Ou Gu, PhD student, School of Earth and Space Sciences, University of Science and Technology of China, 1/2014 – 8/2014
64. Ms. Hui Huang, PhD student, Department of Earth Sciences, Durham University, 12/2013–1/2014
65. Ms. Li Zhao, Research Assistant, Department of Earth Sciences, University of Hong Kong, 11/2013–1/2014
66. Ms. Corliss Sio, PhD student, Department of Geophysical Sciences, University of Chicago, 11/2013
67. Dr. Benxun Su, associate professor, Institute of Geology and Geophysics, Chinese Academy of Sciences, 7/2013–10/2013.
68. Mr. Johnnie Chamberlin, PhD student, ENDY, University of Arkansas, Fayetteville, 7/2013–8/2013.

Postdocs (*postdoc fellows)

1. Dr. Kai Yang*, postdoc visitor from Zhejiang University, 5/2026 – 6/2028.
2. Dr. Maoqiang Yan*, postdoc visitor from Institute of Oceanography, Chinese Academy of Sciences, 7/2025 – 7/2028.
3. Dr. Yongshu Huang*, postdoc visitor from Institute of Geology and Geophysics, Chinese Academy of Sciences, 3/2025 – 3/2028.
4. Dr. Linzhang Wang*, postdoc visitor from Institute of Oceanography, Chinese Academy of Sciences, 1/2025 – 1/2027.
5. Dr. Yinbiao Peng*, postdoc visitor from Ocean University of China, 8/2023 – 12/2026
6. Dr. Dingyi Zhao*, postdoc visitor from the University of Hong Kong, 9/2023– 9/2025, now research assistant professor at University of Hong Kongs
7. Dr. Xiangsong Wang, postdoc visitor from the University of Hong Kong, 12/2024– 1/2025
8. Dr. William Hoover*, 9/2021 – 12/2024 (co-supervised with Cailey Condit, NSF postdoc fellow), now environmental industry Ramboll.
9. Dr. Ze-Zhou Wang, 10/2019 – 1/2024, now “Distinguished Young Scholars” professor at China University of Geosciences, Beijing.
10. Dr. Yan Hu, 11/2018 – 10/2020, now assistant professor at University of Nevada, Las Vegas
11. Dr. Xinyang Chen, 9/2017 – 4/2020, now professor at Chengdu University of Technology
12. Dr. Shui-Jiong Wang, 7/2013 – 5/2015, now professor at China University of Geosciences, Beijing, through “1000 Talents Plan” for Distinguished Young Scholars.
13. Dr. Dong-Yong Li*, postdoc visitor from School of Earth and Space Sciences, University of Science and Technology of China, 4/2018 – 10/2018, now engineer at Ocean University of China.
14. Dr. Heng-Ci Tian*, postdoc visitor from Institute of Geology and Geophysics, Chinese Academy of Sciences, 1/2018–5/2018, now associate researcher at Institute of Geology and Geophysics.
15. Dr. Yang Sun*, postdoc visitor from Inst. of Earth Sciences, Academia Sinica, 8/2017–12/2017, now assistant research professor at Southern University of Science and Technology.
16. Dr. Pingping Liu*, postdoc visitor from University of Hong Kong, 12/2014-2/2015, 11/2015–2/2016, now professor at Peking University, through “1000 Talents Plan” for Distinguished Young Scholars.
17. Dr. Kang-Jun Huang*, postdoc visitor from Peking University, 11/2014-1/2015, now professor at Northwest University.
18. Dr. Hui Huang*, postdoc visitor from China University of Geosciences, Beijing, 11/2014-5/2015, now associate professor at China University of Geosciences, Beijing.

Graduate students

1. Ms. Winnie Fan, PhD student, 2023 – present
2. Mr. Pete Wynn, Master student, 2025
3. Mr. Dalton Reynolds, Master student, 2023, now staff at Brooks Applied Labs
4. Mr. Tian-Yi Huang, PhD, 2023, now postdoc at Lawrence Berkeley National Lab
5. Mr. Aaron Brewer, PhD, 2019, now postdoc at University of Vienna
6. Ms. Yan Hu, PhD, 2018, now assistant professor at University of Nevada, Las Vegas

PhD/Master Committee members

1. Ms. Sabrina Kainz, Earth and Space Sciences, University of Washington, PhD candidate
2. Ms. Luan Heywood, Earth and Space Sciences, University of Washington, PhD candidate

3. Ms. Xinkai He, Earth and Space Sciences, University of Washington, PhD candidate
4. Ms. Danqiu Chen, Earth and Space Sciences, University of Washington, PhD candidate
5. Ms. Mac Bubphamanee, Earth and Space Sciences, University of Washington, PhD candidate
6. Mr. Peter Lindquist, Earth and Space Sciences, University of Washington, PhD, 2026
7. Ms. Autum Downey, Earth and Space Sciences, University of Washington, PhD, 2026
8. Mr. Addien Wray, Earth and Space Sciences, University of Washington, PhD, 2022
9. Mr. Wenshuai Li, Geological Sciences, Univ. of North Carolina, Chapel Hill, PhD, 2021
10. Mr. Nicolas Cuzzo, Earth and Space Sciences, University of Washington, PhD, 2021
11. Ms. Heather Hanna, Geological Sciences, Univ. of North Carolina, Chapel Hill, PhD, 2020
12. Ms. Jillian Schleicher, Earth and Space Sciences, University of Washington, PhD, 2017
13. Mr. Niklas Stausberg, Department of Geoscience, Aarhus University, PhD, 2017
14. Mr. John Fullmer, Earth and Space Sciences, University of Washington, MS, 2015
15. Ms. Corliss Sio, Department of Geophysical Sciences, University of Chicago, PhD, 2014
16. Ms. Pingping Liu, Department of Earth Sciences, University of Hong Kong, PhD, 2014

Undergraduate students

†Mary Gates Research Scholarship Awardee

††Mary Gates Research Scholarship Awardee, twice

*MSA Undergraduate Prize Awardee

1. Mr. Zhenhua Li, undergraduate of Univ. of Washington, 8/2025 – 3/2026, then graduate school at University of Notre Dame.
2. Ms. Maria Holnicka-Szulc, undergraduate of Univ. of Washington, 10/2024 – 6/2026, then graduate school at Colorado School of Mines.
3. Ms. Sofia Kaihua, undergraduate of Univ. of Washington, 1/2025 – 6/2026.
4. ††Ms. Lauren Woods, undergraduate of Univ. of Washington, 7/2023 – 8/2025, then graduate school at UC Santa Barbara.
5. †Mr. Klay Wu, undergraduate of Univ. of Washington, 6/2022 – 6/2024, then graduate school at Harvard University.
6. Mr. Griff Easthouse, undergraduate of Univ. of Washington, 10/2022 – 12/2023, then mining company. Now graduate school at UC Santa Barbara.
7. Ms. Ava Kamm, undergraduate of Univ. of Washington, 10/2022 – 6/2023, then staff at Univ. of Washington.
8. †Ms. Anna Berg, undergraduate of Univ. of Washington, 10/2020 – 8/2023, then graduate school of Harvard University.
9. Ms. Elizabeth Urban, undergraduate of Univ. of Washington, 1/2020 – 6/2020, then graduate school of Washington State University.
10. Ms. Emily Bundick, undergraduate of Univ. of Washington, 11/2018 – 6/2019
11. Ms. Lucy Jiang, undergraduate of Univ. of Washington, 10/2018 – 6/2019, then graduate school of Cornell University.
12. †Mr. Bing Yu Lee, undergraduate of Univ. of Washington, 9/2018 – 6/2019
13. †*Ms. Madeline Hille, undergraduate of Univ. of Washington, 1/2017 – 6/2019, then graduate school of University of Michigan.
14. Ms. Yangfan Ling, undergraduate of Univ. of Washington, 9/2017 – 6/2018
15. Mr. Esten King, undergraduate of Univ. of Washington, 3/2017 – 3/2018, then graduate school of University of Washington.
16. †*Ms. Peiyu Wu, undergraduate of Univ. of Washington, 9/2016 – 6/2018, then graduate school of Cornell University.

17. †Ms. Mary Benson, undergraduate of Univ. of Washington, 9/2016 – 6/2017, then graduate school of University of Washington.
18. †Ms. Khadijah Homolka, undergraduate of Univ. of Washington, 5/2014 – 1/2017
19. Ms. Jiarui Zhou, undergraduate of Univ. of Washington, 5/2014 – 6/2016, industry.
20. Mr. Joel Atwood, undergraduate of Univ. of Washington, 1/2015 – 6/2015
21. Mr. Patrick Watts, undergraduate of Univ. of Washington, 1/2015 – 6/2015
22. Mr. Daryn White, undergraduate of Univ. of Washington, 11/2014 – 6/2015
23. †Ms. Florence Yuen, undergraduate of Univ. of Washington, 10/2013 – 6/2015, petroleum company.
24. Mr. Taylor Kenya, undergraduate of Univ. of Washington, 1/2014 – 12/2014
25. Mr. Lucas Holloway, undergraduate of Univ. of Washington, 8/2013 – 6/2014
26. †Ms. Melissa Harrington, undergraduate of Univ. of Washington, 5/2013– 6/2014, then graduate school of University of Arizona.

High school students

1. Mr. Jayden Zhang, Eastside Catholic High School, 6/2022-8/2022
2. Mr. Kesler Lee, Interlake High School, 7/2021-1/2022
3. Ms. Amanda Li, Bellevue High School, 7/2019-8/2019
4. Ms. Katharine Zhang, Eastside Catholic High School, 7/2019-8/2019
5. Ms. Maggie Jiang, Juanita High School, 7/2018-8/2018
6. Ms. Mariya Haveliwala, The Overlake School, 7/2018-8/2018
7. Ms. Elijah Lorraine Tugate, Rainier Beach High School, 6/2017-9/2017
8. Mr. Kevin Ma, Bellevue High School, 6/15 – 8/15; 6/16 – 8/16; 7/17-9/17
9. Mr. Mark Liu, Redmond High School, 7/2016 – 8/2016
10. Mr. Grant Libby, Louisiana School for Math, Science and the Arts, 6/2015 – 7/2015
11. Mr. Alex Yang, Inglemoor High School, 6/2014 – 8/2014

At the University of Arkansas, Fayetteville

Postdoc visitors

1. Dr. Shan Ke, lecturer of School of Earth Science and Mineral Resources, China University of Geosciences, 6/2009–7/2010, now associate professor at China University of Geosciences.
2. Dr. Wang-Ye Li, postdoc researcher of School of Earth and Space Sciences, University of Science and Technology of China, 3/2009–10/2009; 4/2010–8/2010; 10/2012–12/2012, now associate professor at University of Science and Technology of China
3. Dr. Ming-Xing Ling, postdoc researcher of Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, 10/2010–4/2011, now professor at Guangzhou Institute of Geochemistry.
4. Dr. Yan Xiao, postdoc researcher of Institute of Geology and Geophysics, Chinese Academy of Sciences, 12/2010–5/2011, now associate professor at Institute of Geology and Geophysics.
5. Dr. Wei Yang, postdoc researcher of Institute of Geology and Geophysics, Chinese Academy of Sciences, 9/2008–12/2008; 3/2010–6/2010, now professor at Institute of Geology and Geophysics.

PhD students

1. Ms. Fatemeh Sedaghatpour, SPAC program, PhD, 2012, now at Advion, Inc.
2. Mr. Johnnie Chamberlin, ENDY program, 8/2011 – 12/2012, now environmental industry
3. Ms. Yan Hu, Geosciences program, 8/2012 – 12/2012, now assistant professor at University of Nevada, Las Vegas.

PhD exchange students

1. Mr. Sheng-Ao Liu, PhD exchange student, Univ. of Sci. & Tech. of China, 9/2009 – 9/2010, now professor at China University of Geosciences, Beijing.
2. Mr. Kang-Jun Huang, PhD exchange student, China Univ. of Geosciences, 3/2011-12/2012, now professor at Northwest University.
3. Mr. Shui-Jiong Wang, PhD exchange student, China Univ. of Geosciences, 11/2011-12/2012, now professor at China University of Geosciences, Beijing, through “1000 Talents Plan” for Distinguished Young Scholars.

PhD student visitors

1. Mr. Xiao-Wei Li, PhD student, Peking University, 2/2012-5/2012. Now associate professor at China University of Geosciences, Beijing.
2. Ms. Yan Hu, PhD student from Institute of Geology and Geophysics, Chinese Academy of Sciences, 4/2011-8/2011, now assistant professor at the University of Nevada, Las Vegas.
3. Ms. Corliss Sio, PhD student, Department of Geophysical Sciences, University of Chicago, 4/2011-5/2011, now assistant professor at the University of Toronto.
4. Ms. Xiaoming Liu, PhD student, Department of Geology, University of Maryland, 5/11-6/11, now associate professor at the University of North Carolina, Chapel Hill.
5. Mr. Hai-Ou Gu, PhD student, Univ. of Sci. & Tech. of China, 9/2012 – 12/2012, now lecturer at Hefei University of Technology.

Master students

1. Mr. Jeff L. Ward, Geosciences, 2008 - 2001
2. Mr. Eric Grulke, Geosciences, summer intern, 2009
3. Ms. Julie Jacobs, Geosciences, summer intern, 2010
4. Ms. Leiaka Welcome, Geosciences, summer intern, 2010
5. Mr. Eben Jones, Geosciences, summer intern, 2011
6. Mr. Elvis Bello, Geosciences, summer intern, 2011

Undergraduate students

1. Ms. Kaia Mattioli, undergraduate of Stanford University, summer intern, 2008
2. Ms. Misty Trinkle, undergraduate of Univ. of Arkansas, 8/2009 – 12/2009
3. Mr. Colin Brooks, undergraduate of Univ. of Arkansas, 6/2009 - 5/2010
4. Mr. Dale Stendel, undergraduate of Univ. of Arkansas, 6/2010 – 10/2010
5. Ms. Anna Rouse, undergraduate of Univ. of Arkansas, 7/2010 – 10/2010
6. Ms. Chven Mitchell, undergraduate of Univ. of Arkansas, 8/2010 – 11/2010
7. Ms. Oanh H. Nguyen, undergraduate of Univ. of Arkansas, 8/2009 – 12/2010
8. Ms. Crystal Countee, undergraduate of Univ. of Arkansas, 8/2010 – 12/2010
9. Ms. Addie Clark, undergraduate of Emory & Henry College, REU 2010
10. Ms. Suzi Gordon, undergraduate of Florida Institute of Technology, REU 2010
11. Mr. Brendan Clement, undergraduate of Keene State College, REU 2011
12. Ms. Debra Davis, undergraduate of Univ. of Arkansas, 9/2010 – 5/2011
13. Mr. Anthonini Francaviglia, undergraduate of Univ. of Arkansas, 9/2010 – 5/2011
14. Ms. Clara Kirk, undergraduate of Univ. of Arkansas, 9/2010 – 5/2011
15. Ms. Debra A. Wallace, undergraduate of Univ. of Arkansas, 8/2009 – 5/2012
16. Mr. David Nance, undergraduate of Univ. of Arkansas, 8/2010 – 5/2012
17. Ms. Gabby Salinas, undergraduate of Univ. of Arkansas, 9/2011 – 5/2012
18. Mr. Rodney Ballard, undergraduate of Univ. of Arkansas, Pine Bluff, REU 2012
19. Mr. Janvier Kwizera, undergraduate of Univ. of Arkansas, 10/2010 – 5/2012

20. Ms. Melissa Hornick, undergraduate of Univ. of Arkansas, 9/2011 – 12/2012
21. Mr. Ryan Rowley, undergraduate of Univ. of Arkansas, 1/2012 – 5/2012
22. Mr. Evan Thaler, undergraduate of Univ. of Arkansas, 9/2012 – 12/2012

At The University of Chicago

Ms. Myriam Alexandre, undergraduate, co-advised w/ Nicolas Dauphas

At the University of Maryland, College Park

1. Ms. Elena Chung, undergraduate, co-advised w/ Roberta Rudnick
2. Ms. Dusty Aeiker, undergraduate, co-advised w/ Bill McDonough

Professional Service

Editorial Responsibilities

- Co-Editor in Chief, *Earth and Planetary Science Letters*, 2024 to present.
- Editor, *MSA/GS Reviews in Mineralogy & Geochemistry*, vol. 82, 2017.
- Editor, *Solid Earth Sciences*, 2015 to 2023.

- Associate Editor, *Geochimica et Cosmochimica Acta*, 2014 to present.
- Associate Editor, *JGR - Solid Earth*, 2018 to 2024.
- Associate Editor, *American Mineralogist*, 2014 to 2024.
- Associate Editor, *Frontiers in Earth Sciences*, 2015 to 2023.
- Associate Editor, *Science Bulletin*, 2014 to 2017.

- Editorial Board, *Geostandards and Geoanalytical Research*, 2014 to present.
- Editorial Board, *Science China*, 2012 to present.
- Editorial Board, *Journal of Asian Earth Sciences*, 2017 to 2024.
- Editorial Board, *Earth and Planetary Science Letters*, 2022 to 2024.

- Guest editor: **Teng, F.-Z.**, Arevalo, R. D., Liu, X.-M., Tang, M. Geochemical insights into planetary evolution: from core to surface, special issue of *Geochimica et Cosmochimica Acta*, 2026.
- Guest editor: **Teng, F.-Z.** and Wu, F.-Y. Himalayan Leucogranites, special issue of *Elements*, 2024.
- Guest editor: Oliver Roche (Lead Guest Editor), Other Guest Editors (alphabetical order): Yosuke Aoki, Nickolai Bagdassarov, Michael Heap, Sigrun Hreinsdottir, Qinghua Huang, Daniel Pastor-Galan, Michael Poland, Maria Sachpazi, **Teng, F.-Z.** and Gregory Waite. Advances in understanding volcanic processes, special issue of *JGR - Solid Earth*, ongoing.
- Guest editor: **Teng, F.-Z.** and Alagappan, Ramanathan. Strontium Isotope Geochemistry, special issue of *Frontiers in Earth Sciences*, 2022.
- Guest editor: **Teng, F.-Z.**, Lee, C.-T., Aulbach, S., and Liu, X.-M. The continents: Origin, evolution and interactions with other reservoirs, special issue of *Geochimica et Cosmochimica Acta*, 2020.
- Guest editor: **Teng, F.-Z.** and Ma, L., Deciphering isotope signatures of Earth Surface and Critical Zone Processes, special issue of *Chemical Geology*, 2016.

- Guest editor: Sun, W., **Teng, F.-Z.**, Tatsumi, Y. Niu, Y.-L., Yang, X.-Y. and Ling, M.-X, The Subduction Factory: Geochemical perspectives, special issue of *Geochimica et Cosmochimica Acta*, 2014.

Professional Society Governance Candidate (not elected)

- Mineralogical Society of America Councilor, 2026
- Mineralogical Society of America Councilor, 2025
- Geochemical Society Board of Directors, 2025
- AGU VGP President, 2024
- Mineralogical Society of America Councilor, 2021
- AGU VGP Sectary, 2020
- AGU VGP Sectary, 2018

Professional Society Committees

- AGU VGP, Nominations Committee (2026 – present)
- AGU VGP, Executive Committee (2025 – present)
- AGU VGP, Kuno Award Committee (member, 2021- 2024; chair, 2025 - present)
- GS/EAG Geochemistry Fellows Nomination Committee (2025 - present)
- MSA Committee for Short Courses (member, 2024 – 2025; chair, 2026- present)
- Shen-su Sun Award Committee (2021-present)
- Joint Publication Committee of the Geochemical Society and the Meteoritical Society (member, 2022 - 2024; chair, 2024)
- *Geochimica Cosmochimica Acta* Executive Editor Search Committee (2023)
- Mineralogical Society of America Award Committee (2018-2020)
- AGU VGP Student Awards Committee (2013-2015)
- AGU Fall Meeting Student Travel Grant Reviewer (2013-2015)
- Team Member, Theme 08 Melts, Glasses, Magmas, Goldschmidt conference, 2014
- Judge, Student Presentation Awards, Goldschmidt conference, 2012
- Dwornik judging volunteer, Lunar and Planetary Science Conference, 2011

International Conference Convener

- Session convener on “Planets from the inside out: Celebrating Dr. William F. McDonough's contributions to (extra)terrestrial geochemistry and beyond”, *Goldschmidt conference*, 2024
- Session convener on “Understanding basaltic volcanism on Earth and other planets”, *Goldschmidt conference*, 2023
- Session convener on “Evolution of Earth’s Surface: a session in honor of Xiaoming Liu, recipient of the 2021 MGPV Division’s Early Geological Career Award”, *GSA Annual Meeting*, 2021
- Session convener on “The continents: Origin, evolution and interactions with other reservoirs”, *Goldschmidt conference*, 2018
- Session convener on “Tracing crust-mantle interactions by using non-traditional stable isotopes”, *Goldschmidt conference*, 2017
- Session convener on “Measurements, theories, and applications of non-traditional stable isotopes”, *Fall AGU*, 2016

- Session convener on “Weathering and erosion: quantifying and elucidating Earth surface processes in the Critical Zone and sedimentary records”, *Goldschmidt conference*, 2016
- Session convener on “Deciphering isotope signatures of Earth surface and critical zone processes”, *Fall AGU*, 2014
- Session convener on “Tracing magmatic processes by using non-traditional isotope geochemistry”, *Goldschmidt conference*, 2014
- Session convener on “Developments and applications of non-traditional stable isotope geochemistry”, *Fall AGU*, 2013
- Session convener on “Recent developments and applications of non-traditional stable isotope geochemistry in Earth and planetary materials”, *Goldschmidt conference*, 2012
- Session convener on “Recent advances in non-traditional isotope geochemistry”, *Fall AGU*, 2009
- Session convener on “Recent advances in lithium isotope geochemistry”, *Fall AGU*, 2008

Workshop leader and presenter

- Workshop leader, “Measurement, theories and application of non-traditional stable isotopes”, Lawrence Berkeley National Lab, December 2016 (two days, >100 attendees)
- Workshop leader, “The 1st summer school on non-traditional stable isotope geochemistry”, China University of Geosciences, Beijing, July 2014 (10 days, >300 attendees)
- Workshop presenter, “Potassium isotope geochemistry” in the 3rd summer school on non-traditional stable isotope geochemistry, Northwest University, Xian, August 2020 (virtual)
- Workshop presenter, “MC-ICP-MS theory and practical implications” in the 7th International Sector Field ICP-MS Meeting, 2008 (2-hour lecture)

Reviewer

Hong Kong Research Grant Council Physical Sciences Panelist (2026-2029)

XPLOER Prize (2026)

European Research Council Consolidator Grant Panelist (2026)

European Research Council Advanced Grant Panelist (2024)

NASA NPP Review Panelist (2023, 2024, 2025)

NSF Earth Science Review Panelist (2024)

NASA Solar System Workings Panelist (2018)

Textbook proposal “Geochemistry” by William M. White

Proposals for NSF (53), NSF postdoc fellowship (2), NASA postdoc fellowship (17), NASA (3), European Research Council (10), Natural Environment Research Council (1), Research Grant Council of Hong Kong (2), Austrian Science Fund (1), Netherlands Space Office (1), The Fund for Scientific Research-FNRS (Belgium) (3), NSF of China (2), The United Arab Emirates University (1), National Science and Technology Council of ROC (2), ACS PRF (3) and UW RRF (3)

Manuscripts for *Science* (4), *Proceedings of the National Academy of Sciences* (3), *Nature Geoscience* (7), *Science Advances* (4), *Nature Communications* (2), *Earth and Planetary Science Letters* (24), *Geochimica et Cosmochimica Acta* (34), *Geochemical Perspectives Letters* (2), *Geology* (9), *National Science Review* (1), *GSA Bulletin* (1), *Chemical Geology* (17), *Geochemistry*, *Geophysics*, *Geosystems*

(4), *Treatise on Geochemistry* (1), *Contributions to Mineralogy and Petrology* (4), *Journal of Geophysical Research – Solid Earth* (3), *Lithos* (4), *Gondwana Research* (1), *Geological Journal* (1), *Journal of Analytical Atomic Spectrometry* (1), *Journal of Geostandards and Geoanalytical Research* (6), *Science China – Earth Sciences* (2), *Journal of Geosciences* (1), *Journal of Geology* (1), *Analytical Letters* (1) and *Acta Petrologica Sinica* (2)

AGU Student Travel Grant Reviewer (2013, 2014, 2015)

University Service at University of Washington, Seattle

- The Mary Gates Research Scholarship review committee (2017-2018, 2020-2025)

College Service at University of Washington, Seattle

- College of the Environment DEI Task Force, member (2021-2022)
- College of the Environment Curriculum Committee, member (2017-2018)
- College of the Environment Awards Committee, member (2016)

Department Service at University of Washington, Seattle

- Associate Chair (1/2023-12/2025)
- Graduate Program Coordinator (1/2023-12/2025)
- Executive Committee (2013-2015, 2020-2021, 2023-2025)
- Planetary Sciences Faculty Search Committee, chair (2024-2025)
- Planetary sciences Research Faculty Search Committee, member (2023)
- Igneous Petrology Faculty Search Committee, member (2021-2022)
- Planetary Sciences Faculty Search Committee, member (2021)
- Subduction Zone Geology Faculty Search Committee, member (2017-2018)
- Geobiology Faculty Search Committee, member (2014-2015)
- Promotion Committee, John Stone (2026-2027)
- Promotion Committee, Juliet Crider (2025-2026)
- Merit Committee, Co-Chair (2021-2023; 2026-2027)
- Inclusive Excellence Committee (Chair, 2021-2022; Co-Chair, 2026-2027)
- Advancement Committee, member (2023-2024)
- ESS Safety Committee, Faculty Representative (2021-2022, 2024-2025)
- Graduate Preliminary Exam Committee (2013, 2016, 2017, 2021, 2022)
- PhD Admissions Committee, member (2013-2014, 2015-2016, 2019-2024)
- Bassett & Barksdale Awards Committee, member (2018)
- Barksdale Distinguished Service Award Committee (member, 2013, 2016; chair, 2015)
- Curriculum Committee (member, 2014-2017; chair, 2017-2018)
- Research Gala awards committee (2013, 2014, 2016, 2017)
- Field Camp Committee, Chair (2014)
- Organizer of Mindlin Lecture (2014, 2025)
- Colloquium Coordinator (Spring quarter, 2014)

Department Service at University of Arkansas, Fayetteville

- Geosciences Department Library Representative for Geology side (2011 – 2012)
- Geology Teaching Assistant Selection Committee member (2011 – 2012)
- Search Committee member for “The Maurice F. Storm Endowed Chair in Petroleum Geology” position, 2011
- Search Committee member for “Geochemistry Assistant Professor” position, 2010

Memberships in Professional Societies

- American Association for the Advancement of Science (member since 2023)
- American Geophysical Union (fellow, life member since 2002)
- Geochemical Society (fellow, member since 2005)
- Geological Society of America (fellow, member since 2014)
- Mineralogical Society of America (fellow, life member since 2004)

Graduate and post-doctoral advisors

Drs. W. F. McDonough and R. L. Rudnick – PhD supervisors, Univ. of Maryland, College Park

Dr. M. Wadhwa – Post-doctoral supervisor, Field Museum

Dr. N. Dauphas – Post-doctoral supervisor, The University of Chicago

Dr. F. M. Richter – Post-doctoral supervisors, The University of Chicago