**AGU 2021 Cluster presentations**

1. (Invited) Li, L. and 10 co-authors (2021) The shallow and deep hypothesis: linking flow paths, biogeochemical reactions, and stream chemistry in the Critical Zone, Abstract H51D-04 presented at Fall Meeting, AGU, New Orleans, LA 13-17 Dec.
2. (Invited), Li, L., and 6 co-authors (2021) How simple should simple models be. Abstract H32B-05 presented at Fall Meeting, AGU, New Orleans, LA 13-17 Dec.
3. Kerins, D. and 6 co-authors (2021) Increased DOC concentrations and earlier stream flow generation in response to warming in a high elevation mountain watershed in Colorado. Abstract H42D-04 presented at Fall Meeting, AGU, New Orleans, LA 13-17 Dec.
4. Billings, S.A. and 15 co-authors (2021) Roots as Agents of Rapid Soil Structural Change in the Anthropocene, Abstract EP43B-02 presented at Fall Meeting, AGU, New Orleans, LA 13-17 Dec.
5. Sullivan, P.L. and 11 co-authors (2021) When and where do top-down processes govern critical zone structure and feedback to influence climate, Abstract EP43B-07 presented at Fall Meeting, AGU, New Orleans, LA 13-17 Dec.
6. Bush, S.A., H. Barnard, A. Birch, M. Gooseff, D. McKnight (2021) Spatiotemporal patterns in hydrologic connectivity within a semi-arid montane headwater catchment in central Colorado, Abstract H15N-1209 presented at Fall Meeting, AGU, New Orleans, LA 13-17 Dec.
7. Burns, E, D. Rempe, A. Parsekian, L. Schmidt, H. Barnard (2021) Does Rooting in Bedrock Shield Montane Forests from Water Stress? Abstract H55O-0898 presented at Fall Meeting, AGU, New Orleans, LA 13-17 Dec.
8. Nguyen, A., H. Barnard, E. Burns, (2021) Linking Subsurface Complexity and Ecohydrologic Processes in Semi-arid Forests, Abstract H55O-0899 presented at Fall Meeting, AGU, New Orleans, LA 13-17 Dec.
9. Hwang, K., H. Barnard, A. Harpold, N. Tague, P. Sullivan, K. Lininger (2021) Opportunities and challenges in remote sensing-based critical zone ecohydrology, Abstract H45F-1239 presented at Fall Meeting, AGU, New Orleans, LA 13-17 Dec.
10. Johnson, K., R. Carroll, M. Raleigh, K. Williams, L. Li, H. Barnard, A. Harpold, P. Sullivan (2021) Interannual Variations in Snow Accumulation and Melt Govern Variability in Groundwater Contributions to Streams Across the Western USA, Abstract H55F-0808 presented at Fall Meeting, AGU, New Orleans, LA 13-17 Dec.
11. Warix, S.\*, Navarre-Sitchler, A., Singha, K. (2021). Relation between concentration-discharge patterns and groundwater residence times in a headwater stream in the Colorado Front Range. EOS Trans. AGU Fall Meet. Suppl. Abstract.
12. Motz, S.+, Warix, S.\*, Navarre-Sitchler, A., and Singha, K. (2021). The influence of topography on discharge and specific conductivity in the Hotel Gulch Watershed in Central Colorado. EOS Trans. AGU Fall Meet. Suppl. Abstract.
13. (Invited) Hinckley, E.S. (2021). Designing Network Observatories to Foster Inclusivity, Promote Interdisciplinary Research, and Address Our Grand Challenges. Abstract #: IN53A-01 presented at Fall Meeting, AGU, New Orleans, LA 13-17 Dec.
14. Graup L. , Tague C, Harpold A., Krogh S. (2021), Will Riparian Reguia be Destablized by Snow Drought?, EOS Trans. AGU Fall Meet. Suppl. Abstract H25C-1077, presented at Fall Meeting, AGU, New Orleans, LA 13-17 Dec.
15. Heckman, C., Tague, C. ,(2021) When and Where Does Storage Matter for Vegetation? Untangling the Non-linear Relationship Between Climate, Storage, and Actual Evapotranspiration?, EOS Trans. AGU Fall Meet. Suppl. Abstract H51E-06, presented at Fall Meeting, AGU, New Orleans, LA 13-17 Dec.
16. Heckman, C., Tague, C. ,(2021) How a priori forest adaptations affect drought resilience to the 2012-2015 California drought?, EOS Trans. AGU Fall Meet. Suppl. Abstract B15E-1475, presented at Fall Meeting, AGU, New Orleans, LA 13-17 Dec.