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Publications:*Peer-Reviewed Journal Papers:*

1. Das, N. N., D. Entekhabi, R. S. Dunbar...**E. G. Njoku**, and 18 others (2018): The SMAP mission combined active-passive soil moisture product at 9 km and 3 km spatial resolutions. *Rem. Sens. of Environ.*, 211, 204-217.
2. Huang, H., L. Tsang, **E. G. Njoku**, A. Colliander, T.-H. Liao and K.-H. Ding (2017): Propagation and scattering by a layer of randomly distributed dielectric cylinders using Monte Carlo simulations of 3-D Maxwell equations with applications in microwave interactions with vegetation. *IEEE Access*, 5, 11985-12003.
3. Burgin, M. S., A. Colliander, **E. G. Njoku**, S. K. Chan, and 6 others (2017): A comparative study of the SMAP passive soil moisture product with existing satellite-based soil moisture products. *IEEE Trans. Geosci. Rem. Sens.*, 55, 2959-2971.
4. Piepmeier, J. R., P. Focardi, K. A. Horgan...**E. G. Njoku**, and 24 others (2017): SMAP L-band microwave radiometer: Instrument design and first year on orbit. *IEEE Trans. Geosci. Rem. Sens.*, 55, 1954-1966.
5. Kim, S.-B., J. J. van Zyl, J. T. Johnson...**E. G. Njoku**, and 19 others (2017): Surface soil moisture retrieval using the L-band synthetic aperture radar onboard the Soil Moisture Active-Passive satellite and evaluation at core validation sites, *IEEE Trans. Geosci. Rem. Sens.*, 55, 1897-1914.
6. Colliander, A., T. J. Jackson, R. Bindlish...**E. G. Njoku**, and 44 others (2017): Validation of SMAP surface soil moisture products with core validation sites. *Rem. Sens. of Environ.*, 191, 215-231.
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9. Leroux, D. J., N. N. Das, D. Entekhabi, A. Colliander, **E. G. Njoku**, T. J. Jackson and S. Yueh (2016): Active-passive soil moisture retrievals during the SMAP validation experiment 2012. *IEEE Geosci. Rem. Sens. Lett.*, doi: 10.1109/LGRS.2015.2491643.
10. Das, N. N., D. Entekhabi, R. S. Dunbar, **E. G. Njoku** and S. H. Yueh (2016): Uncertainty estimates in the SMAP combined active-passive downscaled brightness temperature. *IEEE Trans. Geosci. Rem. Sens.*, 54, 640-650.
11. Narvekar, P., D. Entekhabi, S.-B. Kim and **E. G. Njoku** (2015): Soil moisture retrieval using L-band radar observations. *IEEE Trans. Geosci. Rem. Sens.*, 53, 3492-3506.
12. Colliander, A., T. Jackson, H. McNairn, S. Chazanoff, S. Dinardo, B. Latham, I. O'Dwyer, W. Chun, S. Yueh and **E. G. Njoku** (2015): Comparison of airborne passive and active L-band system (PALS) brightness temperature measurements to SMOS observations during the SMAP validation experiment 2012 (SMAPVEX12). *IEEE Geosci. Rem. Sens. Lett.*, 12, 801-805.

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