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## **Research Interests**

His research interests include micromachined transducers, RF/Bio-MEMS, lab-on-a-chip and microfluidics, advanced manufacturing, functional nanomaterials, and RF/microwave devices.

## **Recent Publications**

- [1] I.T. Nassar, J. Wang; J.L. Frolik, T. M. Weller, "A High-Efficiency, Miniaturized Sensor Node With 3-D Machined-Substrate Antennas for Embedded Wireless Monitoring," *IEEE Sensors Journal*, vol. 15, no. 9, pp. 5036-5044, Sept. 2015, doi: 10.1109/ JSEN.2015.2432807
- [2] I. Rivera, A. Avila, J. Wang, "Fourth-Order Contour Mode ZnO-on-SOI Disk Resonators for Mass Sensing Applications," *Actuators* 2015, 4(2), 60-76; doi:10.3390/act4020060.
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