

News, Events & Publications

Charles Liu

Publications

- Author, “Fixing Secondary Considerations in Patent Obviousness Analysis,” 60 IDEA 352 (2020)
- Co-inventor, “Apparatus and method for nanocomposite sensors,” U.S. Patent No. 9,518,878, December 2016
- Co-inventor, “Apparatus and method for nanocomposite sensors,” U.S. Patent No. 9,099,224, August 2015
- Co-author, “Analyzing resistance response of embedded PDMS and carbon nanotubes composite under tensile strain,” Microelectronic Engineering, 2014
- Co-author, “Improved dispersion of carbon nanotubes in polymers at high concentrations,” Nanomaterials, 2012
- Co-author, “Embedding conductive patterns of elastomer nanocomposite with the assist of laser ablation,” Microsystems Technologies, 2012
- Co-author, “Precision patterning of conductive polymer nanocomposite using a laser-ablated thin film,” Journal of Micromechanics and Microengineering, 2012
- Co-author, “Strain-dependent resistance of PDMS and carbon nanotubes composite microstructures,” IEEE Transaction on Nanotechnology, 2010
- Author, “Loving the deep south,” US Campus Guide, 2010
- Co-author, “Patterning conductive PDMS nanocomposite in an elastomer using microcontact printing,” Journal of Micromechanics and Microengineering, 2009
- Co-author, “A planar lens based on electrowetting of two immiscible liquids,” Journal of Micromechanics and Microengineering, 2008