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SELECTED PUBLICATIONS

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A.A. Fomani, L. F. Velasquez-Garcia, and A.I. Akinwande, "Low-Voltage Field Ionization of Gases up to Torr-Level Pressures Using Massive Arrays of Self-Aligned Gated Nano-Scale Tips," *IEEE Transactions on Electron Devices*, vol 61, no. 5, pp. 1520-1528, 2014.

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SELECTED PUBLICATIONS

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SELECTED PUBLICATIONS

W. Chang, D.N. Congreve, E. Hontz, M.E. Bahlke, D.P. McMahon, S. Reineke, T.C. Wu, V. Bulović, T. Van Voorhis, and M.A. Baldo, "Spin-dependent charge transfer state design rules in organic photovoltaics," *Nature Communications*, 6, 6415 (2015).

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SELECTED PUBLICATIONS

S. M. Nicaise, J. J. Cheng, A. Kiani, S. Gradecak, K. K. Berggren, "Control of zinc oxide nanowire array properties with electron beam lithography templating for PV applications," *Nanotechnology* 26(7), 075303 (2014).

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SELECTED PUBLICATIONS

J. H. Lee, G. Traverso, C. M. Schoelhammer, D. Blankschtein, R. Langer, K. E. Thomenius, D. S. Boning, and B. W. Anthony, "Towards Wireless Capsule Endoscopic Ultrasound (WCEU)," *2014 IEEE International Ultrasonics Symposium (IUS)*, pp. 734-737, Chicago, IL, Sept. 2014.

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SELECTED PUBLICATIONS

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SELECTED PUBLICATIONS

Chern, W., Hsu K., Chun I.-S., de Azeredo B. P., Ahmed N., Kim K.-H., Zuo J., Fang N., Ferreira P., and Li X., "Nonlithographic Patterning and Metal-Assisted Chemical Etching for Manufacturing of Tunable Light-Emitting Silicon Nanowire Arrays," *Nano Letters*, (2010), 10:5, pp 1582-1588.

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SELECTED PUBLICATIONS

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R. Han, C. Jiang, A. Mostajeran, M. Emadi, H. Aghasi, H. Sherry, A. Cathelin, and E. Afshari, "A 320GHz Phase-Locked Transmitter with 3.3mW Radiated Power and 22.5dBm EIRP for Heterodyne THz Imaging Systems," *IEEE Int. Solid-State Circuit Conf. (ISSCC)*, San Francisco, CA, February 2015.

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SELECTED PUBLICATIONS

E.R. Meshot, Z. Zhao, W. Lu, A.J. Hart. Self-ordering of small-diameter metal nanoparticles by dewetting on hexagonal mesh templates. *Nanoscale*, 6(17):10106-10112, 2014. <http://dx.doi.org/10.1039/C4NR01501K>.

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SELECTED PUBLICATIONS

W. Chern, P. Hashemi, M. Kobayashi, DG Park, J.L. Hoyt, "Plasma Post-Oxidation for High Mobility Strained-Ge pFETs with Aggressively Scaled High- κ Dielectrics," *ECS Transactions*, vol. 64, no. 6, pp. 329-335, Oct. 2014.

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Lee, J., T. Laoui, and R. Karnik, "Nanofluidic transport governed by the liquid/vapour interface," *Nature Nanotechnology*, 9(4): p. 317-23, 2014.

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SELECTED PUBLICATIONS

K.M.C. Tsang, N. Annabi, F. Ercole, K. Zhou, D. Karst, F. Li, J.M. Haynes, R.A. Evans, H. Thissen, A. Khademhosseini, J.S. Forsythe, "Facile one-step micropatterning using photodegradable methacrylated gelatin hydrogels for improved cardiomyocyte organization and alignment" *Advanced Functional Materials* 25, 977-986 (2015).

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SELECTED PUBLICATIONS

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SELECTED PUBLICATIONS

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SELECTED PUBLICATIONS

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SELECTED PUBLICATIONS

A. Wang, W. Chang, A. Murarka, J. H. Lang and V. Bulović; Transfer-printed composite membranes for electrically-tunable organic optical microcavities; *Proceedings: IEEE Workshop on Micro Electro Mechanical Systems*, 1217-1220, San Francisco, CA, January 26-30, 2014.

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