Anand Bhattacharya: List of Publications that used the DCA Oxide MBE system at CNM, Argonne

**1.** “Spin Seebeck devices using local on-chip heating”, SM Wu, FY Fradin, J Hoffman, A Hoffmann, A Bhattacharya, *J. Appl. Phys*. **117**, 17C509 (2015).

**2.** “Paramagnetic Spin Seebeck Effect”, SM Wu, JE Pearson, A Bhattacharya, *Phys. Rev. Lett.* **114**, 186602 (2015).

**3.** “Spectral Weight Redistribution in (LaNiO3)n/(LaMnO3)2 superlattices from Optical Spectroscopy”, P Di Pietro, J Hoffman, A Bhattacharya, S Lupi, A Perucchi, *Phys. Rev. Lett.* **114**, 156801 (2015).

**4.** “Unambiguous separation of the inverse spin Hall and anomalous Nernst Effects within a ferromagnetic metal using the spin Seebeck effect” SM Wu, J Hoffman, JE Pearson, A Bhattacharya, *Appl. Phys. Lett.* **105**, 092409 (2014) DOI: 10.1063/1.4895034.

**5.** “Polar cation ordering: A route to introducing > 10% bond strain into layered oxide films”, Brittany B. Nelson-Cheeseman,Hua Zhou, Prasanna V. Balachandran,Gilberto Fabbris, Jason Hoffman, Daniel Haskel, James M. Rondinelli, Anand Bhattacharya, *Advanced Functional Materials* **24** (2104) DOI: 10.1002/adfm.201401077

**6.** “Inductive crystal field control in layered metal oxides with correlated electrons”, P. V. Balachandran, A. Cammarata, B. B. Nelson-Cheeseman, A. Bhattacharya and J. M. Rondinelli, *APL Materials **2,*** 076110 (2014).

**7.** "Dynamic layer rearrangement during growth of layered oxide films by molecular beam epitaxy", June Hyuk Lee, Guangfu Luo, I-Cheng Tung, Seo Chang, Zhenlin Luo, Milind Malshe, Milind Gadre, Anand Bhattacharya, Serge Nakhmanson, Jeffrey Eastman, Hawoong Hong, Julius Jellinek, Dane Morgan, Dillon Fong, and John Freeland, *Nature Materials (*2014). DOI: 10.1038/nmat4039

**8.** "Correlating interfacial octahedral rotations with magnetism in $(LaMnO_{3+\delta})_N/(SrTiO3)_N$ superlattices." Zhai, Xiaofang, Long Cheng, Yang Liu, Christian M. Schlepütz, Shuai Dong, Hui Li, Xiaoqiang Zhang, Chu Shengqi, Zheng Lirong, Zhang Jing, Zhao Aidi, Hong Hawoong, Bhattacharya Anand, Eckstein James N., Zeng Changgan, *Nature Communications* **5,** 4283 (2014).

**9.** “Oxygen-Vacancy-Induced Polar Behavior in $(LaFeO_3)_2/(SrFeO_3)$ Superlattices”, Rohan Mishra, Young-Min Kim, Juan Salafranca, Seong Keun Kim, Seo Hyoung Chang, Anand Bhattacharya, Dillon D. Fong, Stephen J. Pennycook, Sokrates T. Pantelides, and Albina Y. Borisevich, *Nano Letters 14* , 2694-2701 (2014).

**10.**“Magnetic Oxide Heterostructures”, A. Bhattacharya and S.J. May, *Annual Review of Materials Research* **44**: 5.1 – 5.26 (2014).

**11.** "Charge transfer and interfacial magnetism in (LaNiO3) n/(LaMnO3) 2 superlattices", Hoffman, J., Tung, I. C., Nelson-Cheeseman, B., Liu, M., Freeland, J., & Bhattacharya, A. *Phys. Rev* B **88**, 144411 (2013).

**12.** "Non-volatile ferroelastic switching of the Verwey transition and resistivity of epitaxial $Fe_3O_4$/PMN-PT (011)", Ming Liu, J. Hoffman, J. Wang, J. Zhang, B. Nelson-Cheeseman, A. Bhattacharya, *Scientific Reports* **3**, Article No. 1876 (2013) doi:10.1038/srep01876 .

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**29.** “Onset of metallic behavior in strained $(LaNiO_3)_n/(SrMnO_3)_2$ superlattices”, S. J. May, T. S. Santos and A. Bhattacharya, *Phys. Rev.* B **79**, 115127 (2009).

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