

Publications (student co-authors underlined)

1. N. D. Khatri, G. Majkic, T. Shi, Y. Chen, and V Selvamanickam, “Pre-fabricated Nanorods in RE-Ba-Cu-O Superconductors”, *Supercond. Sci. Technol.* **26**, 085022 (2013)
2. Y. Gao, R. Wang, P. Dutta and V. Selvamanickam, “Optimization of a single crystalline-like germanium thin film growth on inexpensive flexible substrates and fabrication of germanium bottom junction” *Proc. 39th IEEE Photovoltaic Specialists Conference (PVSC), Tampa, FL, June 16-21, 2013* (accepted)
3. P. Dutta, M. Rathi, P. Ahrenkiel, Y. Gao, A. Mehrotra, E. Galstyan, M. Iliev, B. Makarenko, R. Forrest, A. Freundlich, V. Selvamanickam, “Epitaxial thin film GaAs deposited by MOCVD on Low-Cost, Flexible Substrates for High Efficiency Photovoltaics” *Proc. 39th IEEE Photovoltaic Specialists Conference (PVSC), Tampa, FL, June 16-21, 2013* (accepted)
4. R. Wang, S. Sambandam, G. Majkic, E. Galstyan and V. Selvamanickam, “High mobility single-crystalline-like germanium thin film on flexible, inexpensive substrates” *Thin Solid Films* **527**, 9–15 (2013)
5. I. Kesgin, G. Majkic, and V. Selvamanickam, “A simple, cost effective top-down method to achieve fully filamentized low AC loss 2G HTS coated conductors” , *Physica C.* **486**, 43–50 (2013)
6. Y. Liu, Y. Yao, Y. Chen, N. D. Khatri, J. Liu, E. Galstyan, C. Lei, and V. Selvamanickam, “Electromagnetic properties of (Gd,Y)Ba₂Cu₃O_x superconducting tapes with high levels of Zr addition”, *IEEE Trans. Appl. Supercond.* **23**, 6601804 (2013)
7. V. Selvamanickam, Y. Chen, G. Majkic, T. Shi, Y. Liu, N. D. Khatri, J. Liu, Y. Yao, X. Xiong, C. Lei, S. Soloveichik and E. Galstyan, “Enhanced critical currents in high levels of Zr-added (Gd,Y)Ba₂Cu₃O_x superconducting tapes”, *Supercond. Sci. Technol.* **26**, 035006 (2013)
8. N. D. Khatri, G. Majkic, R. Wang, A. Sundaram, S. Sambandam, and V. Selvamanickam, “Pre-fabricated Metal Nanorods on Biaxially-textured Templates on Flexible Substrates for REBCO Superconductors”, *IEEE Trans. Appl. Supercond.* **23**, 6600705 (2013)
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10. I. Kesgin, G. Majkic, and V. Selvamanickam, “Effect of Selectively Electrodeposited Stabilizer Thickness on AC Loss Behavior of Fully-Filamentized HTS Wire”, *IEEE Trans. Appl. Supercond.* **23**, 5900505 (2013)
11. G. Majkic, E. Galstyan, Y. Zhang and V. Selvamanickam, “Investigation of Delamination Mechanisms in IBAD-MOCVD REBCO Coated Conductors”, *IEEE Trans. Appl. Supercond.* **23**, 6600205 (2013)
12. G. Majkic, Y. Yao, J. Liu, Y. Liu, N. Khatri, T. Shi, Y. Chen, E. Galstyan, C. Lei and V. Selvamanickam, “Effect of High BZO Dopant Levels on Performance of 2G-HTS MOCVD Wire at Intermediate and Low Temperatures”, *IEEE Trans. Appl. Supercond.* **23**, 6602605 (2013)
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