

**Publications (student co-authors underlined)**

1. S. Pouladi, M Asadirad, S. K. Oh, S. Shervin, J. Chen, W. Wang, Manh, R. Choi, J. Kim, D. Khatiwada, M. Rathi, P. Dutta, V. Selvamanickam, J-H. Ryou, “Effects of grain boundaries on conversion efficiencies of single-crystal-like GaAs thin-film solar cells on flexible metal tapes”, *Solar Energy Materials and Solar Cells*, 199, pp. 122-128 (2019)
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3. S. Singh, P. Dutta, M. Rathi, Y. Yao, Y. Gao, S. Sun, D. Khatiwada, V. Selvamanickam and A. Mavrokefalos, “Enhanced Thermoelectric Performance in Single-Crystal-Like Semiconducting Flexible GaAs Films” *APL Materials* **7**, 031104 (2019)
4. S. Kar, J. sai Sandra, W. Luo, M. Kochat, J. Jaroszynski, D. Abraimov, G. Majkic, and V. Selvamanickam, “Next-generation highly flexible round REBCO STAR wires with over 580A mm<sup>-2</sup> at 4.2 K, 20 T for future compact magnets”, *Supercond. Sci. Technol.* **32**, 10LT01 (2019).
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7. D. Khatiwada, M. Rathi, P. Dutta, S. Sun, Y. Yao, Y. Li, S. Pouladi, J-H. Ryou, and V. Selvamanickam, “Passivation studies on Single Junction GaAs Thin Film Solar Cells on Flexible Metal Tapes for Low Cost Photovoltaics”, *ACS Applied Energy Materials* **2**, 5, pp. 3114-3119 (2019)
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9. A. Ben Yahia, S. Kar, G. Majkic, V. Selvamanickam, “Modeling-driven optimization of mechanically-robust REBCO tapes and wires”, *IEEE Trans. Appl. Supercond.* **29**, 8401605 (2019) [10.1109/TASC.2019.2907234](https://doi.org/10.1109/TASC.2019.2907234)
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## BOOK CHAPTER

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