List of Issued Patents & Selected Publications

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Issued Patents


Books

1. P.S. Dutta, Optoelectronics and Photonics Engineering, Textbook under preparation for senior level undergraduate and entry level graduate students, Publisher: Springer, New York (to be published in 2012) [Table of Contents]


Book Chapters


**Review Article**


**Articles in Refereed Journals**


4. S. Sengupta, I. Wilke and P.S. Dutta, *Ultrafast carrier mobilities in high resistivity iron doped Ga$_{0.69}$In$_{0.31}$As photoconducting antennas*, Appl. Phys. Letts. 95, 211102-211104 (2009) [Abstract]


8. A. Kumar and P.S. Dutta, Liquid Phase Epitaxial Growth of Lattice Mismatched InSb, GaInAs and GaInAsSb on GaAs substrates using a Quaternary Melt, J. Crystal Growth 310, 1647-1651 (2008) [Abstract]


43. P.S. Dutta and A.G. Ostrogorsky, *Strong band gap narrowing in quasi-binary (GaSb)x(InAs)1-x crystals grown from melt*, J. Crystal Growth 197, 1-6 (1999) [Abstract]


47. V. Bermudez, M.D. Serrano, P.S. Dutta and E. Dieguez, Opposite domain formation in Er-doped LiNbO₃ bulk crystals grown by the off-centered Czochralski technique, J. Crystal Growth 203, 179-185 (1999) [Abstract]


53. V. Bermudez, P.S. Dutta, M.D. Serrano and E. Dieguez, Transient electric field characteristics due to polarization of domains in bulk LiNbO₃ during Czochralski growth, J. Appl. Phys. 81, 862-864 (1997) [Abstract]


55. V. Bermudez, P.S. Dutta, M.D. Serrano and E. Dieguez, Effect of crystal composition on the domain structure of LiNbO₃ grown from Li-rich melts by Czochralski technique, J. Crystal Growth 172, 269-273 (1997) [Abstract]


**Selected Publications in Conference Proceedings**


