QUANTUM WELL INTERSUBBAND TRANSITION PHYSICS AND DEVICES (NATO SCIENCE SERIES E: (CLOSED)) pdf

1: Ali Shakouri Publications

Many of the papers presented in Quantum Well Intersubband Transition Physics and Devices are on the basic linear intersubband transition processes, detector physics and detector application, reflecting the current state of understanding and detector applications, where highly uniform, large focal plane arrays have been demonstrated. Other areas.

Ahn, Ali Shakouri, and John E. Bowers, , Applied Physics Letters, Vol. Bowers, Journal of Applied Physics, Vol. Bowers, Optical Engineering, November Bowers, Physics of Low-Dimensional Structures, no. Bowers, Applied Physics Letters, 74 1 , January , pp. Design of integrated thin film coolers, Chris Labounty, A. Shakouri, Patrick Abraham, J. Bowers, International Conference on Thermoelectrics, pp. Thermal conductivity of indium phosphide-based superlattices , S. Majumdar, International Conference on Thermoelectrics, pp. Bowers, Applied Physics Letters 74 1 p. Bowers, Materials Research Society Proc. Smith, Venky Narayanamurti, and John E. Bowers, Microscale Thermophysical Engineering 2 1 p. Bowers, Applied Physics Letters 71 9 p. Thermal characterization of thin film superlattice micro refrigerators , J. A wavelength multiplexer using cascaded three-dimensional vertical couplers, B. Bowers, Applied Physics Letters, vol. Optical and Quantum Electronics, vol. Vertical coupler with separated inputs and outputs fabricated using double-sided process , ELiu, B. Bowers,Trends in Optics and Photonics, vol. Bowers, Electronics Letters, vol. Jackson, Art Gossard, and John E. Applied Physics Letters, vol. Optical and Quantum Electronics, Liu, B. Fused photonic integrated circuits for optical switching", with Bin Liu, and John E. Bowers, Journal of Lightwave Technology 16 12 p. Bowers, Applied Physics Letters 72 21 p. Melliar-Smith, Ali Shakouri, K. Yariv, Applied Physics Letters 68 15 p. Yariv, Applied Physics Letters 65 14 p. Performance improvement in quantum well lasers by optimizing band gap offset at quantum well heterojunctions , B. Yariv, Applied Physics Letters 63 4 p. Electron transport, negative differential resistance and domain formation in very weakly coupled quantum wells, Ali Shakouri, Yuanjian Xu, Ilan Grave, and Amnon Yariv, Compound semiconductors , Ed. Herb Goronkin, and Umesh Mishra Dejewski, Electronics Letters 31 4 p. Multi lambda controlled operation of quantum well infrared detectors using electric field switching and rearrangement, A. Multiquantum well integrated stacks for detection in mid infrared, I. Yariv, In the book: Control of electric field domain formation in multiquantum well structures , A. Yariv, Applied Physics Letters 63 8 p. Yariv, Applied Physics Letters, 60 19 , May , p.

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2: Quantum well intersubband transition physics and devices in SearchWorks catalog

Many of the papers presented in "Quantum Well Intersubband Transition Physics and Devices" are on the basic linear intersubband transition processes, detector physics and detector application, reflecting the current state of understanding and detector applications, where highly uniform, large focal plane arrays have been demonstrated.

Preference for experimental semiconductor nano-device research which involves semiconductor devices based on quantum wells, wires, dots, and spin-based devices. Gunapala has given over presentations and over invited presentations at technical conferences. Also, he has authored over publications, including many book chapters on infrared imaging focal plane arrays, and holds twenty two patents. Following is a selected list of his publications. Physics and Devices, pp. Hill, Arezou Khoshakhlagh, and Sarath D. Quantum Optoelectronic Devices and Applications, M. Ting, Alexander Soibel, John K. Liu, Arezou Khoshakhlagh, Sam A. Papers in Refereed Journals D. An Ion Implanted Study", Phys. B 38, Lin, and Jin S. Del Castillo and S. Park, Gabby Sarusi, True-Lon. Electron Devices, 44, pp. Park, Mani Sundaram, Craig A. Electron Devices, 45, Bandara, "Significance of the first excited state position in quantum well infrared photodetectors," Microelectronics Journal, 30, no. Electron Devices, 47, pp. Bandara, and Sarath D. Rafol, and Jason M. Electron Devices, 50, pp. Lee, and Sarath D. Johnson , Simon J. Hook, Pantazis Mouroulis, Daniel W. Ting a, Sumith V. Bandara, Jason Mumolo, Sam A. Keo, Jean Nguyen, H. Gunapala, Alexander Soibel, John K. Jean Nguyen, David Z. Hill, Alexander Soibel, Sam A. Mumolo, Jean Nguyen, and Sarath D. Alexander Soibel, David Z. Mumolo, and Sarath D. Rafol, Arezou Khoskhlagh, John K. Mumolo, Linda Hoeglund, Sam A. Ting, and Sarath D.

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3: Quantum Well Intersubband Transition Physics and Devices : Barry F. Levine :

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Design of integrated thin film coolers, Chris Labounty, A. Shakouri, Patrick Abraham, J. Thermal conductivity of indium phosphide-based superlattices , S. Bowers, Applied Physics Letters 74 1 p. Bowers, Materials Research Society Proc. Smith, Venky Narayanamurti, and John E. Bowers, Microscale Thermophysical Engineering 2 1 p. Bowers, Applied Physics Letters 71 9 p. Applied Physics Letters, vol. Optical and Quantum Electronics, Liu, B. Bowers, Electronics Letters, vol. Fused photonic integrated circuits for optical switching", with Bin Liu, and John E. Jackson, Art Gossard, and John E. Bowers, Journal of Lightwave Technology 16 12 p. Bowers, Applied Physics Letters 72 21 p. Melliar-Smith, Ali Shakouri, K. Electron transport, negative differential resistance and domain formation in very weakly coupled quantum wells, Ali Shakouri, Yuanjian Xu, Ilan Grave, and Amnon Yariv, Compound semiconductors , Ed. Herb Goronkin, and Umesh Mishra Dejewski, Electronics Letters 31 4 p. Multi lambda controlled operation of quantum well infrared detectors using electric field switching and rearrangement, A. Multiquantum well integrated stacks for detection in mid infrared, I. Yariv, In the book: Control of electric field domain formation in multiquantum well structures, A. Yariv, Applied Physics Letters 63 8 p. Yariv, Applied Physics Letters, 60 19 , May , p. Yariv, Applied Physics Letters 68 15 p. Yariv, Applied Physics Letters 65 14 p. Performance improvement in quantum well lasers by optimizing band gap offset at quantum well heterojunctions, B. Yariv, Applied Physics Letters 63 4 p.

4: Sarath D. Gunapala | Science and Technology

Intersubband transitions in quantum wells have attracted tremendous attention in recent years, mainly due to the promise of applications in the mid and far-infrared regions (mum). Many of the papers presented in Quantum Well Intersubband Transition Physics and Devices are on the basic.

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