

11/6/37

Engineering

Electrical & Computer Engineering

Karl Hess Papers, 1972-93

Box 1:

- Real-Space Electron Transfer by Thermionic Emission - Shichijo, Hess, and Streetman (57), 1980
- Impact of Ionization in Multilayered Heterojunction Structures - Chin, Holonyak, Tang, and Hess (59), 1980
- Hot Electrons in Layered Semi-Conductor Structures - Hess and Holonyak (61), 1980-83
- Alloy Clustering in Quantum Well Heterostructures - Holonyak, Laidig, Vojak, Coleman, Hess, Dapkus, and Bardeen (62), 1980-82
- Phonon Contribution To-Mo CVD Quantum-Well - Vojak, Holonyak, Laidig, Hess, Coleman, and Dapkus (66), 1981
- Band Structure Dependent Transport and Impact Ionization - Schichijo and Hess (67), 1989
- Hot Electron + Phonon Effects in Layered Semiconductor Structure and Heterostructure - Hess and Holobyak (79), 1980-81
- Deformation Potentials of Bulk Semiconductors - Hess and Dow (84), 1981
- Dynamics of Electron-hole Collection in Quantum Well Heterostructures - Tang, Hess, Holonyak, Coleman, and Dapkus (103), 1982
- Ballistic Transport in Semiconductors (117), 1981
- Stimulated Emission in Strained...Superlattices (118), 1982
- Absorption Measurements at High Pressure (0-10 kbar) on Strained Superlattices - Gavrilovic, Meehan, Holonyak, and Hess (125), 1983
- Quantum-Well Heterostructure Lasers - Holonyak and Hess (146), 1982
- Theory and Applications of Near Ballistic Transport in Semiconductors - Hess and Iafrate (213), 1988
- Supercomputer Images of Electron Device - Hess (237), 1989
- A Heterostructure Hot Electron Diode - Hess, Coleman, and Higman (249), 1986
- Coulomb Blockade in Semiconductor p-n Tunnel Diodes - Hess, Holonyak, and Richard (280), 1972, 1993