Publications prior to 2009:


28. M. Shayegan, V. J. Goldman, and H. D. Drew, “Magnetic-field-induced Metal-insulator Transition in Narrow Gap Semiconductors Hg$_{0.8}$Cd$_{0.2}$Te and InSb,” ibid., pp. 1205-1208.


162. X. Ying, V. Bayot, M.B. Santos, and M. Shayegan, “Thermopower of a Dilute 2D Hole System at Half-filled Levels and in the Re-entrant Insulating Phase,” ibid, pp. 46-49.


207. V. Bayot, E. Grivei, S. Melinte, and M. Shayegan, “Heat Capacity and Nuclear-spin Dynamics in GaAs/AlGaAs Heterostructures around \( \nu = 1 \),” ibid, pp. 111-114.


295. Y.P. Shkolnikov, K. Vakili, E.P. DePoortere, and M. Shayegan, “Giant Low-
temperature Piezoresistance Effect in AlAs Two-dimensional Electrons,” Appl.

296. B. Habib, E. Tutuc, S. Melinte, M. Shayegan, D. Wasserman, S.A. Lyon, and R.
Winkler, “Negative Differential Rashba Effect in Two-dimensional Hole Systems,”

297. B. Habib, E. Tutuc, S. Melinte, M. Shayegan, D. Wasserman, S.A. Lyon, and R.
Winkler “Spin Splitting in GaAs (100) Two-dimensional Holes,” Phys. Rev. B 69,
113311 (2004).

298. H. Noh, J. Yoon, D.C. Tsui, and M. Shayegan, “Insulating Behavior of Dilute Two-
dimensional Holes in GaAs under an In-plane Magnetic Field,” Phys. Rev. B 70,
241306 (2004).

299. E. Tutuc, S. Melinte, E.P. De Poortere, R. Pillarisetty, and M. Shayegan,
“Interacting GaAs Bilayer Hole Systems with Layer Density Imbalance,” Physica E

300. R. Pillarisetty, H. Noh, E. Tutuc, E.P. De Poortere, D.C. Tsui, and M. Shayegan,
“Frictional Drag between Dilute Two-dimensional Hole systems,” Physica E 22,
300 (2004).

301. E. Tutuc and M. Shayegan, “Counterflow Measurements in GaAs Hole Bilayers:
Possible Evidence for Excitonic Condensation,” (invited paper; International
Conference on High Magnetic Fields in Semiconductor Physics, Tallahassee, FL,

302. R. Pillarisetty, H. Noh, E. Tutuc, E.P. De Poortere, D.C. Tsui, and M. Shayegan,

303. S. Faniel, E. Tutuc, C. Gustin, A. Vlad, S. Melinte, M. Shayegan, and V. Bayot,
“Thermopower of Interacting Two-dimensional GaAs Bilayer Hole Systems in the

Shayegan, “Coulomb Drag near the Metal-insulator Transition in Two Dimensions,”

305. C. Gustin, S. Faniel, B. Hackens, S. Melinte, M. Shayegan, and V. Bayot, “Orbital
Effect, Subband Depopulation, and Conductance Fluctuations in Ballistic Quantum


