

- Giardini, A. A., A review of rock behavior to shear over approximately 100 kbar of confining pressure and a speculative model for seismic disturbances, *J. Geophys. Res.*, **79**, 1183-1195, 1974.
- Grady, D. E., W. J. Murri, and G. R. Fowles, Quartz to stishovite: Wave propagation in the mixed phase region, *J. Geophys. Res.*, **79**, 332-338, 1974.
- Graham, R. A., and W. P. Brooks, Shock-wave compression of sapphire from 15 to 400 kbar: The effects of large anisotropic compressions, *J. Phys. Chem. Solids*, **32**, 2311-2330, 1971.
- Graham, R. A., and G. E. Ingram, Piezoelectric current from x -cut quartz loaded from 25 to 75 kbar, *Bull. Amer. Phys. Soc.*, **14**, 1163, 1969.
- Gruntfest, I. J., Thermal feedback in liquid flow, plane shear at constant stress, *Trans. Soc. Rheol.*, **7**, 195-207, 1963.
- Hughes, D. S., and R. G. McQueen, Density of basic rocks at very high pressures, *Eos Trans. AGU*, **39**, 959-965, 1958.
- Logan, J. M., and J. A. Rigert, Partial melting of sandstone during frictional sliding in triaxial experiments (abstract), *Eos Trans. AGU*, **54**, 465, 1973.
- Lyle, J. W., R. L. Shriver, and A. R. McMillan, Dynamic piezoresistive coefficient of manganin to 392 kbar, *J. Appl. Phys.*, **46**, 4663-4664, 1969.
- Nitsan, U., Viscous heat production in a slab, *J. Geophys. Res.*, **78**, 1395-1397, 1973.
- Press, F., Density distribution in the earth, *Science*, **160**, 1218-1221, 1968.
- Stöffler, D., Coesite and stishovite in shocked crystalline rocks, *J. Geophys. Res.*, **76**, 5474-5488, 1971.
- Stöffler, D., Deformation and transformation of rock-forming minerals by natural and experimental shock processes, *Fortschr. Mineral.*, **49**, 50-113, 1972.
- Von Engelhardt, W., and D. Stöffler, Stages of shock metamorphism in crystalline rocks of the Ries basin, Germany, in *Shock Metamorphism of Natural Materials*, edited by B. French and N. Short, Mono, Baltimore, Md., 1968.
- Wackerle, J., Shock-wave compression of quartz, *J. Appl. Phys.*, **33**, 922-937, 1962.
- Walsh, J. B., Attenuation in partially melted material, *J. Geophys. Res.*, **73**, 2209, 1968.
- Walsh, J. B., New analysis of attenuation in partially melted rock, *J. Geophys. Res.*, **74**, 4333, 1969.
- Zener, C., and J. H. Hollomon, Effect of strain rate upon plastic flow of steel, *J. Appl. Phys.*, **15**, 22-32, 1944.

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