

BIBLIOGRAPHY

- Abragam, A. 1961. The Principles of Nuclear Magnetism.
London: Oxford University Press.
- Ames, D.P., Mc Donnell Company. 1967. Handbook of Physics,
2nd. ed.; New York: Mc GRAW-HILL BOOK COMPANY.
- Andrew, E.R. 1956. Nuclear Magnetic Resonance, Cambridge
University Press.
- Barrall II, E.M., Porter, R.S. and Johnson, J.F. 1967.
Specific Heats of Nematic, Smectic, and Cholesteric
Liquid Crystals by Differential Scanning Calorimetry.
The Journal of Physical Chemistry, 71:895.
- Bline, R., Hogenboom, D.L., O'Reilly, D.E. and Peterson, E.M.
1969. Spin Relaxation and Self-Diffusion in Liquid
Crystals. Physical Review Letters, 23:969.
- Bline, R. and Dimic, V. 1970. Neutron Scattering Study of
Self-Diffusion in Liquid Crystal. Physics Letters, 31A:531.
- Blume, R.J. 1961. rf Gate with 10^9 Carrier Suppression. The
Review of Scientific Instruments, 32:554.
- Carr, E.F. 1962. Dielectric Loss in the Liquid Crystal p-Azo-
xyanisole. The Journal of Chemical Physics, 37:104.
- Carr, H.Y. and Purcell, E.M. 1954. Effects of Diffusion on
Free Precession in Nuclear Magnetic Resonance
Experiments. Physical Review. 94:630.

- Clark, W.G. 1964. Pulsed Nuclear Resonance Apparatus. The Review of Scientific Instruments, 35:316.
- Diehl, P., Fluck, E. and Kosfeld, R. 1969. NMR Basic Principles and Progress, vol.1. New York; Heidelberg; Berlin: Springer-Verlag.
- Doane, J.M. and Visintainer, J.J. 1969. Proton Spin-Lattice Relaxation in Liquid Crystals. Physical Review Letters, 23:1421.
- Dong, R.Y., Forbes, W.F. and Pinter, M.M. 1971. Proton Spin Relaxation in Liquid Crystal PAA. The Journal of Chemical Physics, 55: 145.
- Dong, R.Y., Pinter, M.M. and Forbes, W.F. 1971. Proton Spin Relaxation Study of the Cholesteric -to- Nematic Phase Transition. The Journal of Chemical Physics, 55:2449.
- Frank, F.C. 1958. Discuss. Faraday. Soc. 25:19.
- Hahn, E.L. 1950. Spin Echoes. Physical Review, 80:580.
- Hoyer, W.A. and Nolle, A.W. 1956. Behaviour of Liquid-Crystal Compounds Near the Isotropic-Anisotropic Transition. The Journal of Chemical Physics, 24:803.
- Jame, D.L and Eirngen, A.C. 1971. Wave Propagation in Nematic Liquid Crystals. Journal of Chemical Physics, 54:5027.
- Kittel, C. 1967. Introduction to Solid State Physics, 3rd.ed.; New York : John Wiley & Sons, Inc..
- Kreutzer, K. and Kast, K. 1937. Naturwiss, 25:233.

- Miezowicz, M. 1935. Nature, 136: 8261.
- Pincus, P. 1969. Nuclear Relaxation in a Nematic Liquid
Crystal. Solid State Communications, 7:415.
- Saupe, A. 1960. Z. Naturforsch., 15A.815.
- Saupe, A. 1968. Recent Results in the Field of Liquid Crystal
Angew. Chem. Internat. Ed. Engl., 7:97.
- Schenck, R. 1898. Z. Physik. Chem., 25:343.
- Senghaphan, W. 1968. An Investigation of Spin-Lattice
Relaxation Time of bcc Solid Helium-3, Ph.D. Thesis;
Boston University.
- Slichter, C.P. 1963. Principles of Magnetic Resonance,
New York; Evanston and London: Harper and Row.
- Weger, M. and Cabane, B. 1969. J. Phys. Radium., 30:c4-72.

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