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Molecular Crystals and Liquid Crystals

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Spectroscopy of Molecular Crystals: A Bibliography for 1975

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Spectroscopy of Molecular Crystals

A Bibliography for 1975

Compiled by E. F. SHEKA, V. S. MAKAROVA, and E. D. SIMONOVSKAYA
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1 INTRODUCTION

The 1975 Bibliography continues the series of annual issues of Bibliographies Spectroscopy of Molecular Crystals. The full list of these issues from 1957–1968 may be found in *Molecular Crystals and Liquid Crystals*, **6**, 175, 1969. The issues for 1969, 1970, 1971, 1972, 1973 and 1974 are published *ibid.* **14**, 329 (1971), **17**, 55 (1972), **19**, 331 (1973), **26**, 87 (1974), **30**, 239 (1975) and **33**, 261 (1976).

As all previous issues, the 1974 Bibliography is established on the basis of scientific-bibliography work carried out in the Institute of Solid State Physics in Chernogolovka.

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3 SPECTRA OF AROMATIC MOLECULES IN GASEOUS AND CONDENSED STATES

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3.8 Dissipation and migration of molecular excitation energy, time constants

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3.9 Laser excitation, stimulated emission and light generation

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3.10 Spectroscopy of photochemical reactions

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4 ABSORPTION AND LUMINESCENCE SPECTRA OF INTERMOLECULAR COMPLEXES

4.1 Charge-transfer complexes

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4.2 Excimers, dimers and other homomolecular complexes

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5 SPECTRA OF PURE MOLECULAR CRYSTALS

5.1 Electronic and vibronic states and absorption spectra

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6 SPECTRA OF IMPURITY AND DISORDERED MOLECULAR CRYSTALS

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7 EXCITON PROBLEM OF MOLECULAR CRYSTALS

7.1 Lattice dynamics and phonon spectra

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7.4 Exciton-phonon interaction (shape of bands, energy dissipation, vibronic spectra)

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7.6 Excitonic mechanism of energy migration

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8 PHOTOCONDUCTIVITY OF MOLECULAR CRYSTALS. PHOTOELECTRONIC EMISSION

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