



C. Karnutsch, *Low Threshold Organic Thin-Film Laser Devices*, (Cuvillier, Göttingen, 2007).

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Book Review

This concise book (139 pages) contains six chapters: introduction, amorphous and organic semiconductors, materials and technology, optically-pumped organic distributed feedback lasers, efforts towards an organic injection laser, and conclusions. More than 450 references are included. The section on amorphous and organic semiconductors provides a useful description on conjugate polymers and, to a lesser extent, small-molecule organic semiconductors. The laser section considers mainly optically-pumped distributed feedback architectures: first and second order DFB lasers and mixed-order DFB lasers. Considerable attention is given to studies focused on attaining coherent emission from electrical excitation in conjugate polymers. It is indicated that numerical results, for conjugate polymer media, suggest that threshold current densities should be in the 500-1000 A/cm² range. This is a well-documented, well-written, review-survey, on organic semiconductor gain media, and it is a welcome addition to the literature.

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