

Photosensitizers In Medicine, Environment, And Security

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From the contents: Part I. Synthesis of the Photosensitizers 1. Experimental approach to synthesis: 1.1. Design and conception of photosensitizers - 1.2. Recent developments in the synthesis of porphyrin and phthalocyanine photosensitizers and related systems - 2. Computational and theoretical approach to synthesis - 3. Photochemical and photophysical characterization - Part II. Applications 1. Medical: 1.1. Photodynamic Therapy Applications - 1.2. Combination therapy: photosensitizers with nanoparticles - 1.3. Exogenously induced endogenous photosensitizers - 1.4. Imaging - 2. Environment: Photocatalytic degradation of pollutants - 3. Security: Optical limiting 4. Energy generation: Chemical energy production and solar cells (DSSC) 5. Catalyse for organic synthesis EAN/ISBN : 9789048138722 Publisher(s): Springer, Berlin, Springer Netherlands Format: ePub/PDF Author(s): Nyokong, Tebello - Ahsen, Vefa

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