
Advanced model of the singlet oxygen generator of gas flowing type on base of porous fullerene-containing structures

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Description of the retrofit singlet oxygen generator, working on the basis of the porous solid-phase fullerene-containing structures, with more powerful optical pump by means the light-emitting diode matrix and with a continuous flow of molecular oxygen through porous structure of the substrate is presented. Results of researches of the efficiency of singlet oxygen production are given for a wide range of the variation of operating conditions of the system.