



Reversible Two-Photon Optical Data Storage in Coumarin-Based Copolymers

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Auteur	Iliopoulos, Konstantinos [1], Krupka, Oksana [2], Gindre, Denis [3], Sallé, Marc [4]
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Résumé en anglais	A functionalized polymer film allowing for a complete and straightforward second-harmonic generation (SHG)-assisted high-contrast writing?reading?erasing?writing sequence is proposed. The whole process is supported by the reversible photoinduced dimerization of a coumarin chromophore and enables efficient optical data storage that can be detected only by SHG imaging.
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