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# self-localized excitations

*in conjugated organic polymers*

Physical and chemical properties of conjugated organic polymers with π-electrons have been interpreted in terms of self-localized excitations, which are quasi-particles with structural changes over several repeating units. These excitations can be classified into *solitons*, polarons, *bipolarons* and *excitons* according to their charge and spin.

***Source:***
PAC, 2007, *79*, 293 *(Glossary of terms used in photochemistry, 3rd edition (IUPAC Recommendations 2006))* on page 419

 