

photooxidation

Oxidation reactions induced by light. Common processes are: 1, the loss of one or more electrons from a chemical species as a result of photoexcitation of that species; 2, the reaction of a substance with oxygen under the influence of light. When oxygen remains in the product this latter process is also called photooxygenation. Reactions in which neither the substrate nor the oxygen are electronically excited are sometimes called photoinitiated oxidations.

See also: photoreduction

Source:

PAC, 1996, 68, 2223 (*Glossary of terms used in photochemistry (IUPAC Recommendations 1996)*) on page 2264