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photoelectrochemical cell

An electrochemical cell in which current and a voltage are simultaneously produced upon absorption of light by one or more of the electrodes. Usually at least one of the electrodes is a semiconductor.

See also: photovoltaic cell, photoelectrolytic cell, photogalvanic cell

Source:

PAC, 1996, *68*, 2223 *(Glossary of terms used in photochemistry (IUPAC Recommendations 1996))* on page 2260

PAC, 1991, *63*, 569 *(Terminology in semiconductor electrochemistry and photoelectrochemical energy conversion (Recommendations 1991))* on page 593

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