

A Journal of the Gesellschaft Deutscher Chemiker

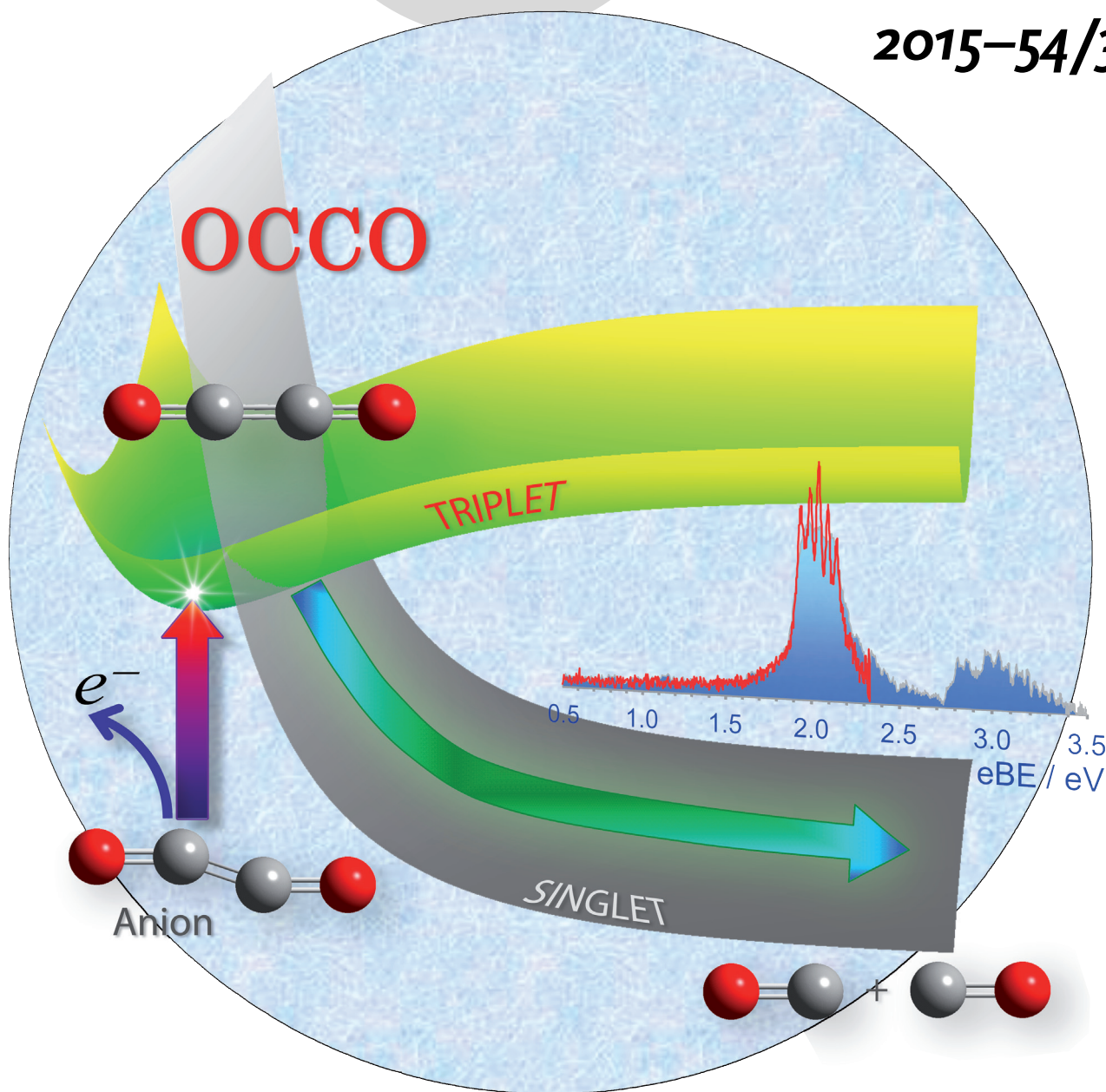
Angewandte Chemie

GDCh

International Edition

www.angewandte.org

2015–54/30



For over a century ...

... ethylenedione (OCCO) has been pursued by chemists, but despite its seemingly straightforward structure, all past studies have failed to provide conclusive experimental evidence for its existence. In their Communication on page 8764 ff., A. Sanov et al. describe the first definitive characterization of OCCO by anion photoelectron spectroscopy. The illustration conceptualizes the dynamics of the quasi-bound triplet and dissociative singlet states of the elusive species.

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