A Journal of the Gesellschaft Deutscher Chemiker

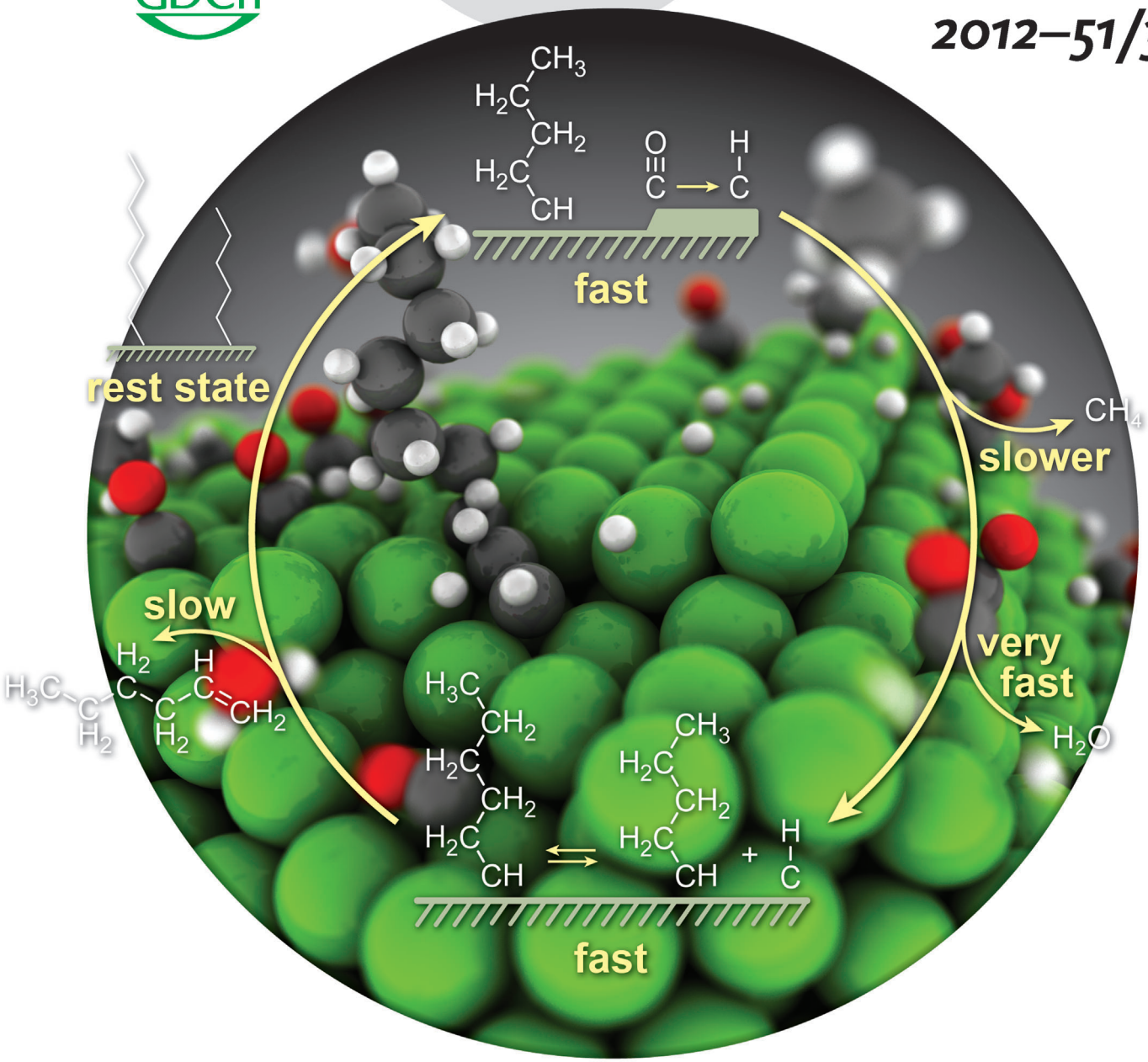
Angewandte Chemie

International Edition

GDCh

www.angewandte.org

2012–51/36



In the Fischer–Tropsch synthesis ...

… a persisting challenge is the design of a catalyst that maximizes both chain growth and carbon monoxide conversion. In their Communication on page 9015 ff., A. J. Markvoort et al. show that high chain growth and high conversion are achieved on dual reaction center sites, where one reaction center is used for CO dissociation and the other for chain growth. For the carbide mechanism (see picture) only on dual reaction center sites surface poisoning by growing chains can be prevented.

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