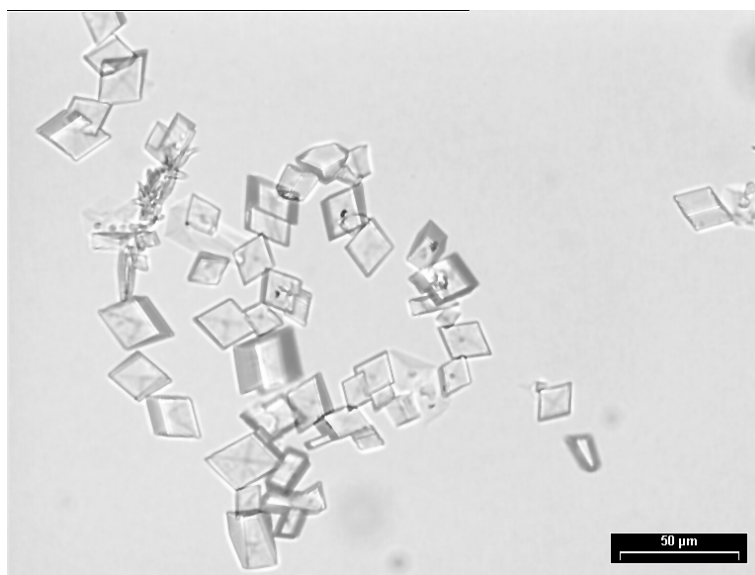


**Interfacial Electrostatics Guiding the Crystallization of CaCO₃ Underneath Monolayers
of Calixarenes and Resorcarenes**

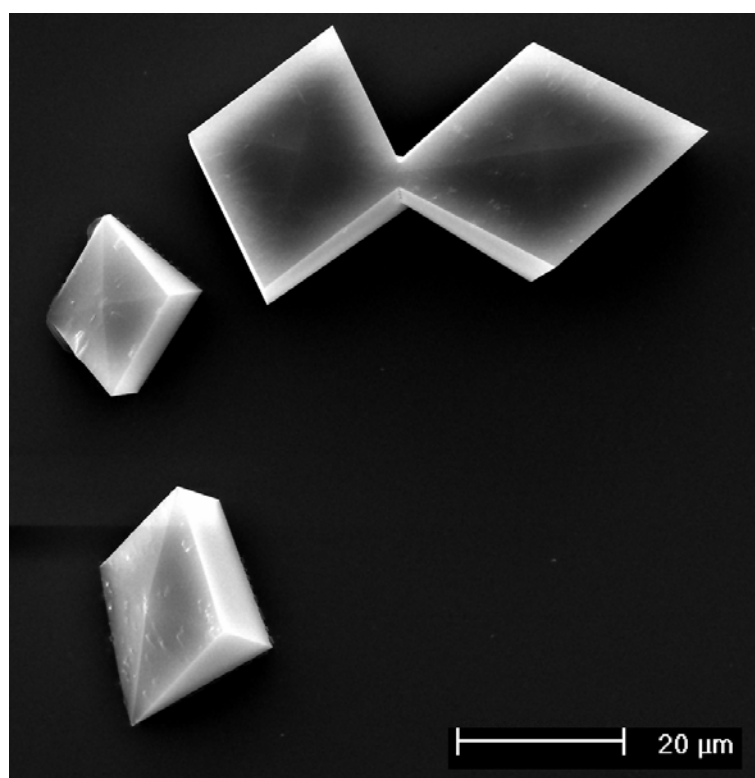
Dirk Volkmer,* Marc Fricke, Ceno Agena, and Jochen Mattay

* Author for correspondence

PD Dr. D. Volkmer
Faculty of Chemistry (AC1)
University of Bielefeld
D-33501 Bielefeld (Germany)
P.O. Box 100 131
Telephone: (+49) 521-106 6142
Fax: (+49) 521-106 6003
E-mail: dirk.volkmer@uni-bielefeld.de



Brightfield optical micrograph of CaCO₃ crystals grown under a monolayer of **1** after 2h. ($\pi = 2$ mN/m, CaCl₂/NaHCO₃ ($c = 9/18$ mM)). (The viewing direction is parallel to the monolayer surface normal, crystals are observed from below the aqueous subphase.)



Scanning electron micrographs (crystals collected after 4 h) of CaCO₃ crystals grown under a monolayer of **1**. ($\pi = 2$ mN/m, CaCl₂/NaHCO₃ ($c = 9/18$ mM)).