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Particles at Interfaces

T. P. Russell, Q. Wang et al.

Drug Delivery

Q. Wang and Z. Su

Si–C Triple Bonds

T. Müller and N. Lühmann

Hydrogen Bonding to Metals

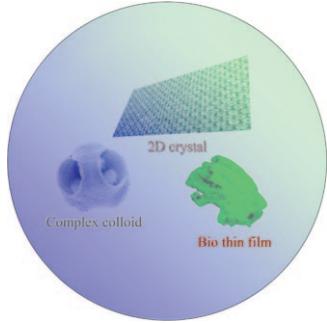
L. R. Falvello



Cover Picture

Woo Kyung Cho, Kyungtae Kang, Gyumin Kang, Min Jee Jang, Yoonkey Nam,* and Insung S. Choi*

The pitches of nanostructured substrates regulate the in vitro development of neuron cells. In their Communication on page 10114 ff., I. S. Choi, Y. Nam, and co-workers show that the neurite outgrowth of primary hippocampal neurons within a few days is much faster on an anodized aluminum oxide substrate that has a 400 nm pitch rather than on one that has a 60 nm pitch.

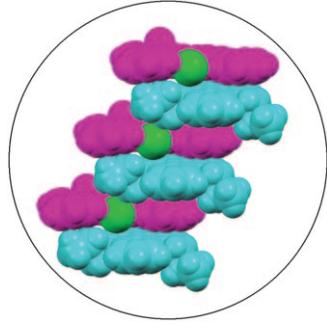
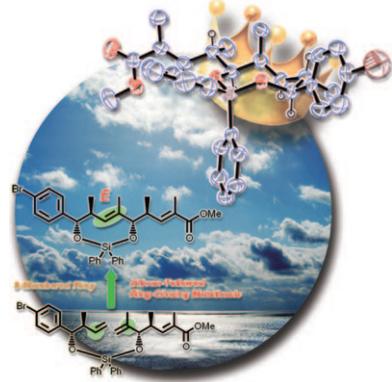


Particles at Interfaces

The organization of nanoparticles at interfaces can lead to diverse ordered structures. Examples of such structural organization and the principles behind these processes are presented by T. P. Russell, Q. Wang, and co-workers in their Review on page 10052 ff.

Synthetic Methods

S. Kobayashi and co-workers describe in their Communication on page 10068 ff. how treatment of a silicon-tethered diene with the Hoveyda–Grubbs second-generation catalyst leads to eight-membered rings through an unusual *E*-selective ring-closing metathesis.



Supramolecular Chemistry

In their Communication on page 10079 ff., H. Maeda et al. report how the combination of planar cations with planar anionic systems based on π -conjugated acyclic dipyrroles leads to assemblies with alternating sequences of the charged components.