

Cover Picture

Shinye Chia, Jianguo Cao, J. Fraser Stoddart, and Jeffrey I. Zink

The cover picture shows linear motor molecules in action on a silicate support. Under the spotlight, tethered threadlike polyether chains (pink) intercepted by electron-donating naphthalene units (red) doff and don electron-accepting cyclobis(paraquat-*p*-phenylene) girdles (blue). Their risqué actions are revealed by the luminescence of the naphthalene units when the girdles are removed. The temporal sequence (left to right) shows the bare thread donning a girdle and then doffing it under the influence of light. The action is attentively monitored by the luminescence spectra; the intensity increases when the girdle is doffed and is quenched when it is donned. More about this process is reported by Zink, Stoddart, and co-workers on p. 2447 ff.

