

Dynamic Constitutional Systems

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Dynamic constitutional materials for self-instructed membranes

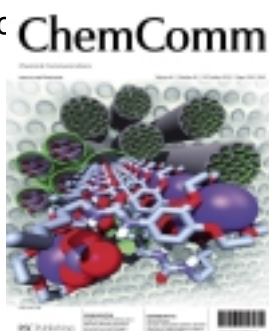
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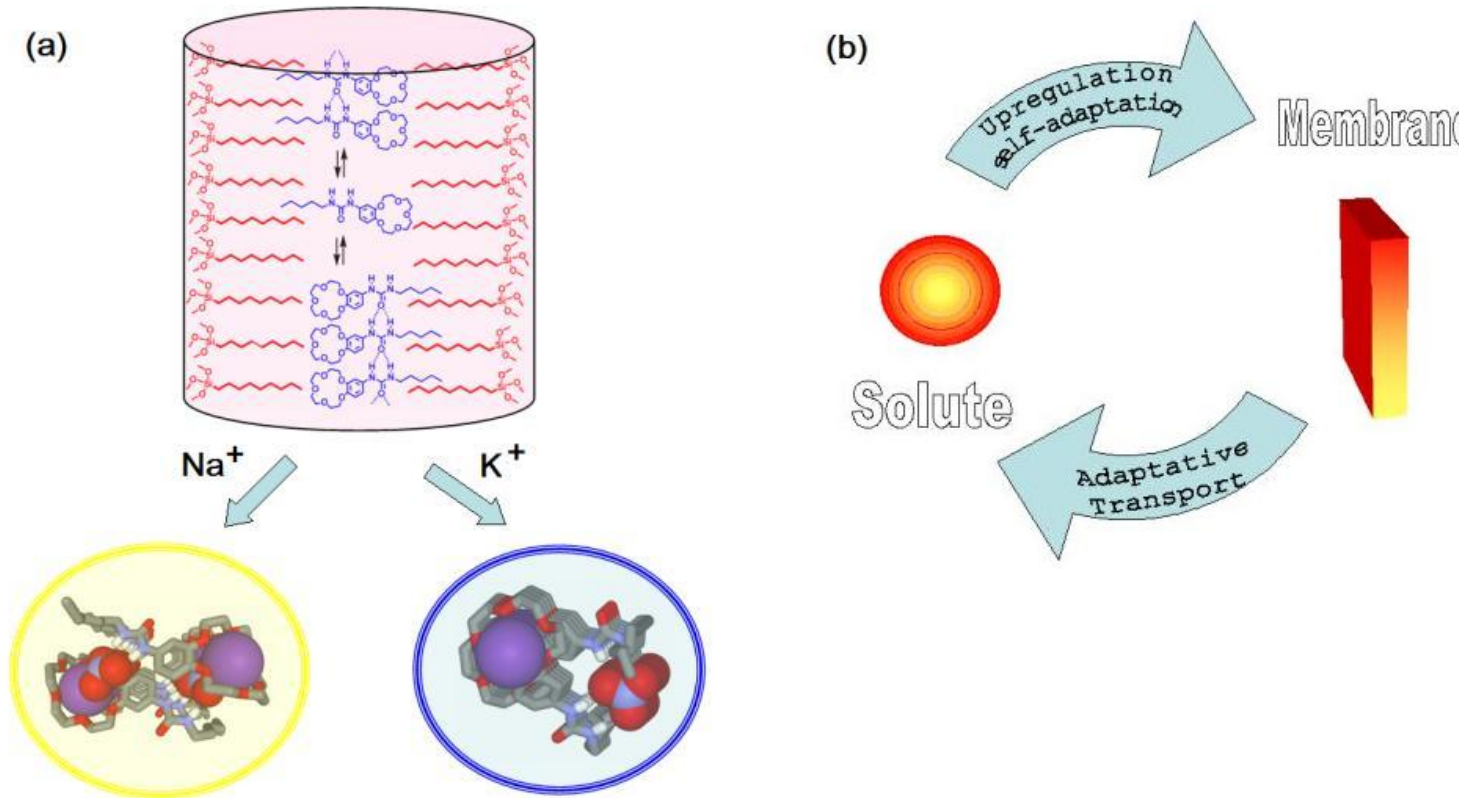
Proc. Natl. Acad. Sci., **2009**, 106(20), 8117-8122.

Microp. Mesop. Mat. **2011**, 140, 51-57.

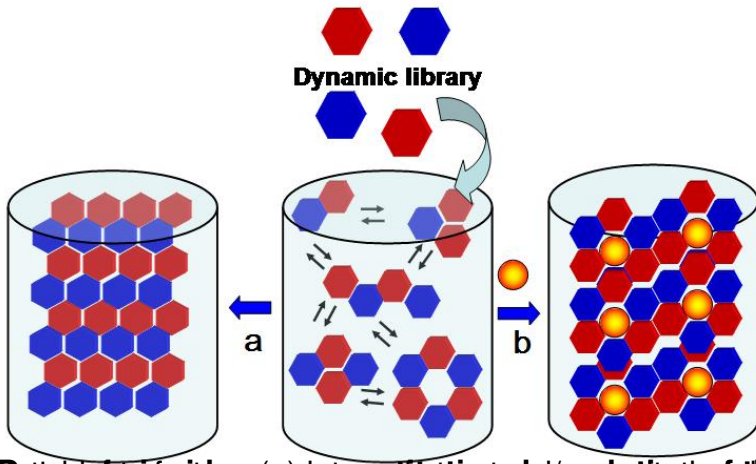
Chem. Eur.J. **2008**, 14, 1776-1783.

Constitutional self-instructed materials are developed and used for mimicking the adaptive structures

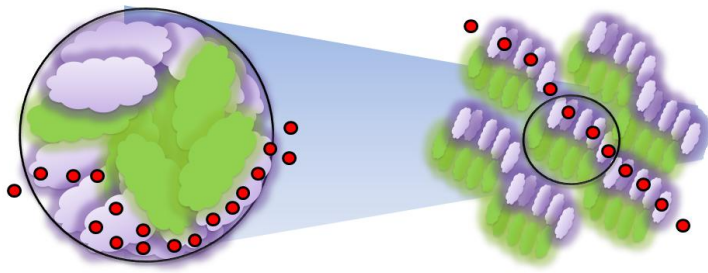




Generation of directional ion-conduction pathways which can be morphologically tuned by alkali salts templating within **Dynamic hybrid materials** by the hydrophobic confinement of ureido-macrocyclic receptors within silica mesopores. It embodies a reorganization of the membrane configuration evolving an improved response in the presence of the solute that produced this change in the first place.



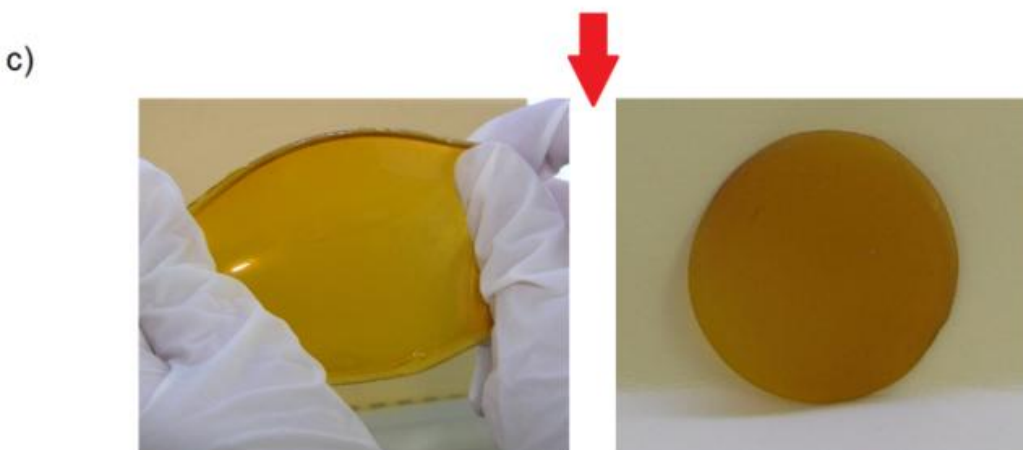
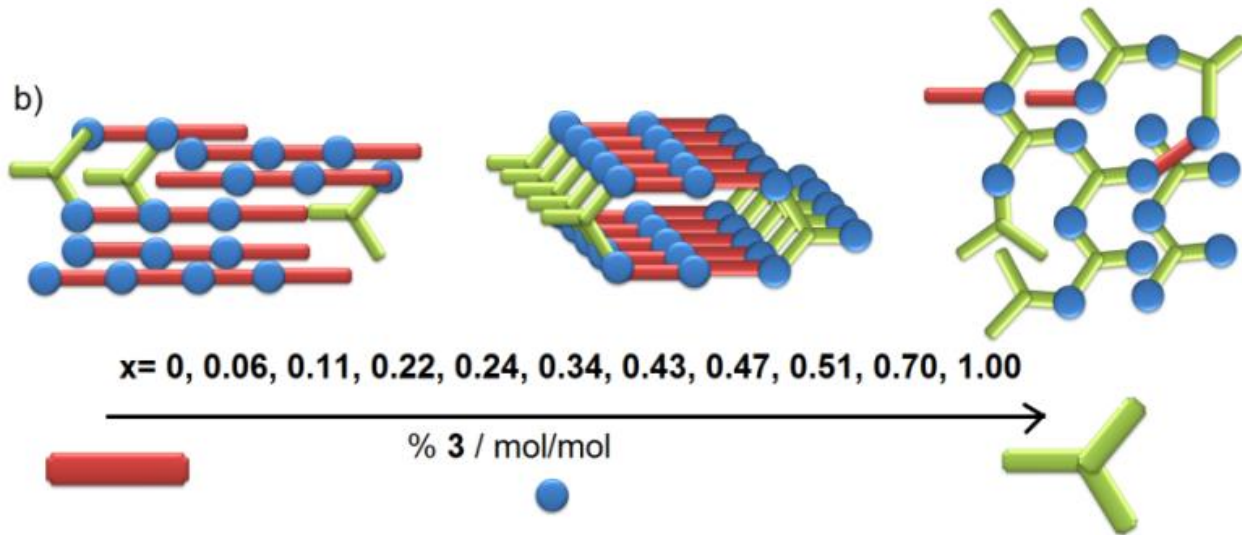
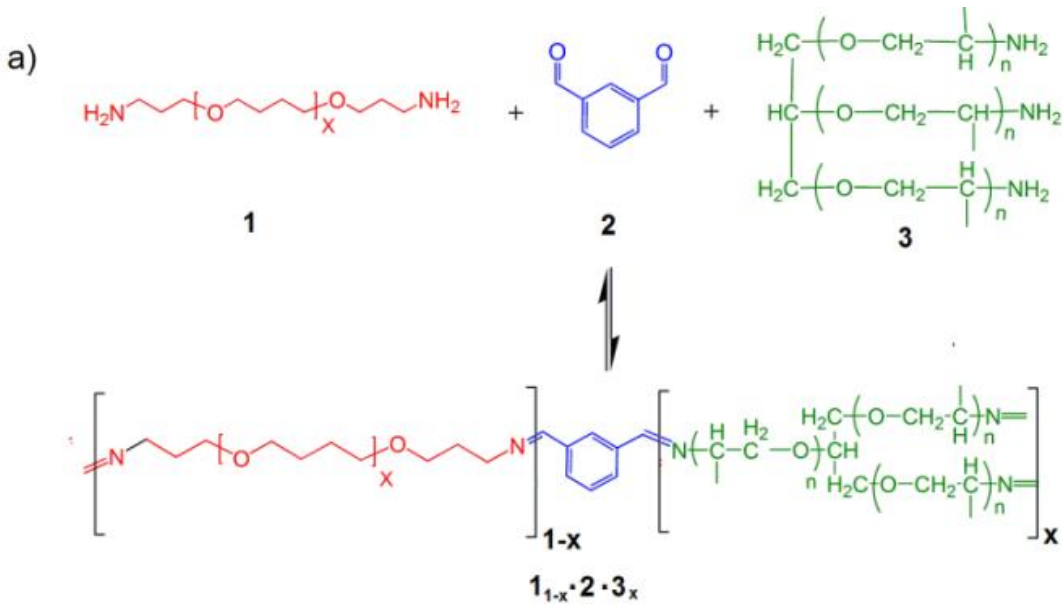
Dynamic library (a) resolution of the library (b) dynamic pressure of



Block co-polymers

Block co-dynamers

Block co-polymers (a) resolution of the library (b) dynamic pressure of



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