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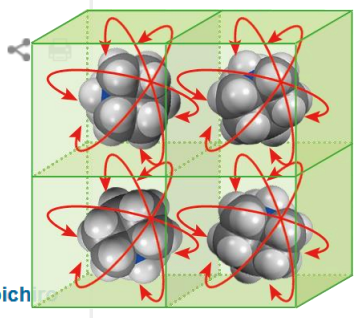
Directionally tunable and mechanically deformable ferroelectric crystals from rotating polar globular ionic molecules

Jun Harada, Takafumi Shimojo, Hideaki Oyamaguchi, Hiroyuki Hasegawa, Yukihiro Takahashi, Koichi Satomi, Yasutaka Suzuki, Jun Kawamata & Tamotsu Inabe

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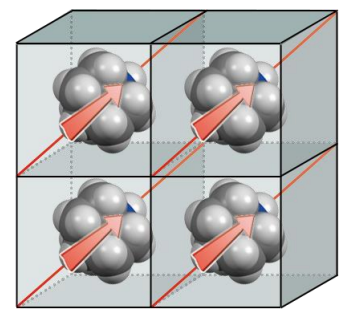
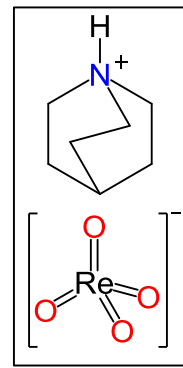
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柔らかい結晶相を利用して 分極自在な有機強誘電体を開発



柔らかい結晶相：
分子は自由に回転

分極情報リセット



強誘電結晶相：
分子配向が揃い分極

分極情報保存
↓
メモリー/スイッチング素子



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