



Superlattices of *p*-nitroaniline molecules self-assemble and orient within the polar, 9-angstrom-wide channels of ALPO-5, a molecular sieve. Nanometer-scale clusters of molecules or semiconductors can have useful nonlinear optical and electronic properties. The dimensions of such clusters are comparable to the distances traveled by optically excited electrons. [Photographic image by Mark Stucky]

Sources:

<http://science.sciencemag.org/content/247/4943>

<http://science.sciencemag.org/content/sci/247/4943/local/front-matter.pdf>