Distribution of elastically compliant and stiff domains over F_1F_O determined by fluctuation analysis

rotor stator

hard

soft

>700

<70

≈1500

torsional stiffness in pNnm
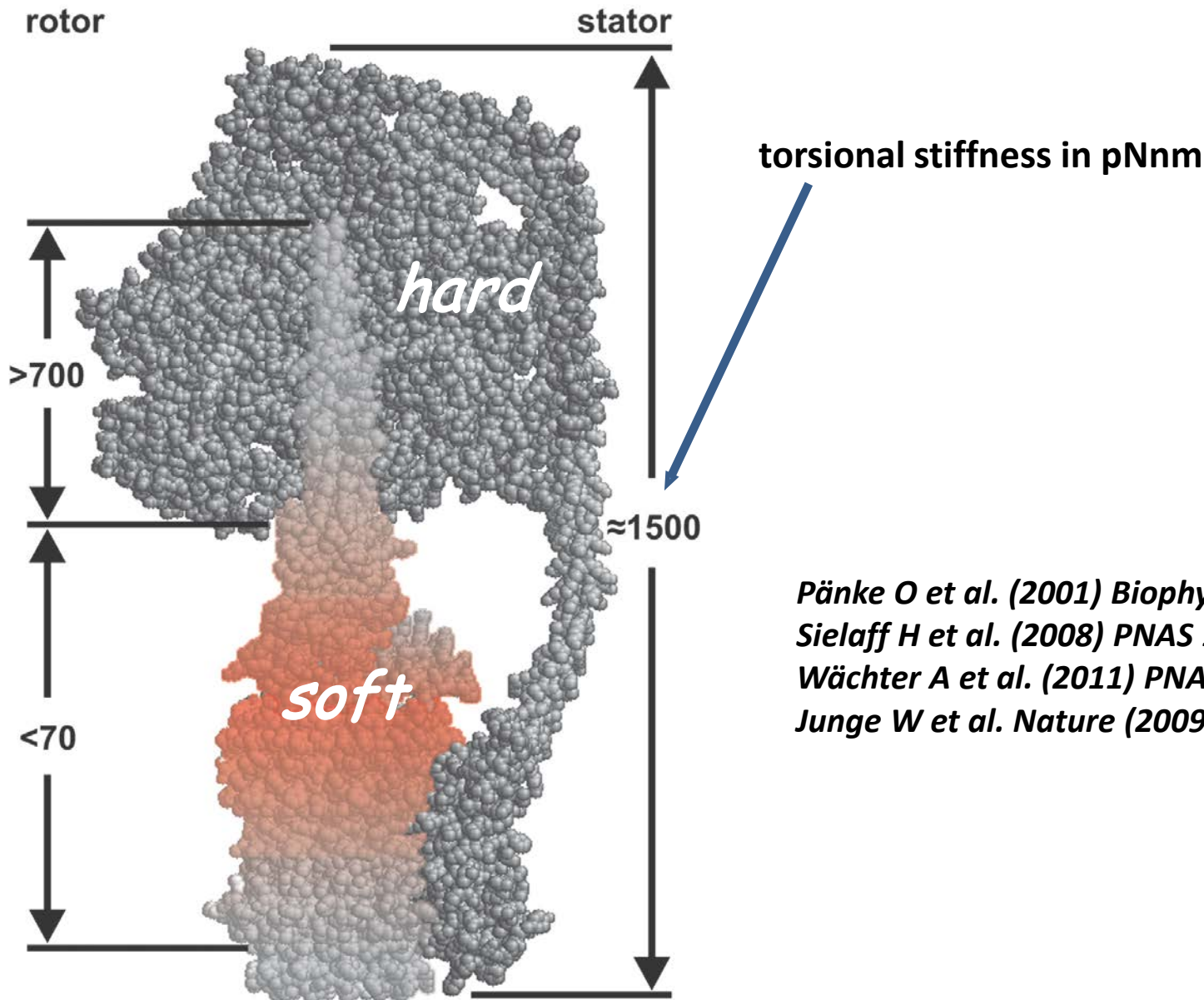
Pänke O et al. (2001) Biophys.J. 81,1220
Sielaff H et al. (2008) PNAS 105,17760
Wächter A et al. (2011) PNAS 108, 3924
Junge W et al. Nature (2009) Nature 459, 364