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Single molecules in soft matter : a study of biomolecular conformation, heterogeneity and plasmon enhanced fluorescence

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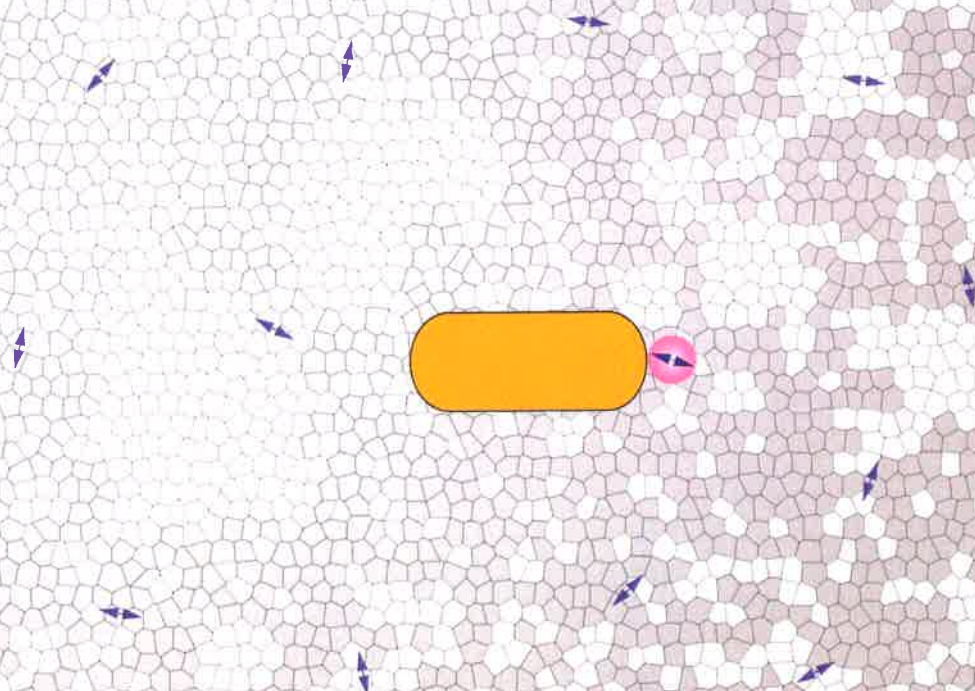
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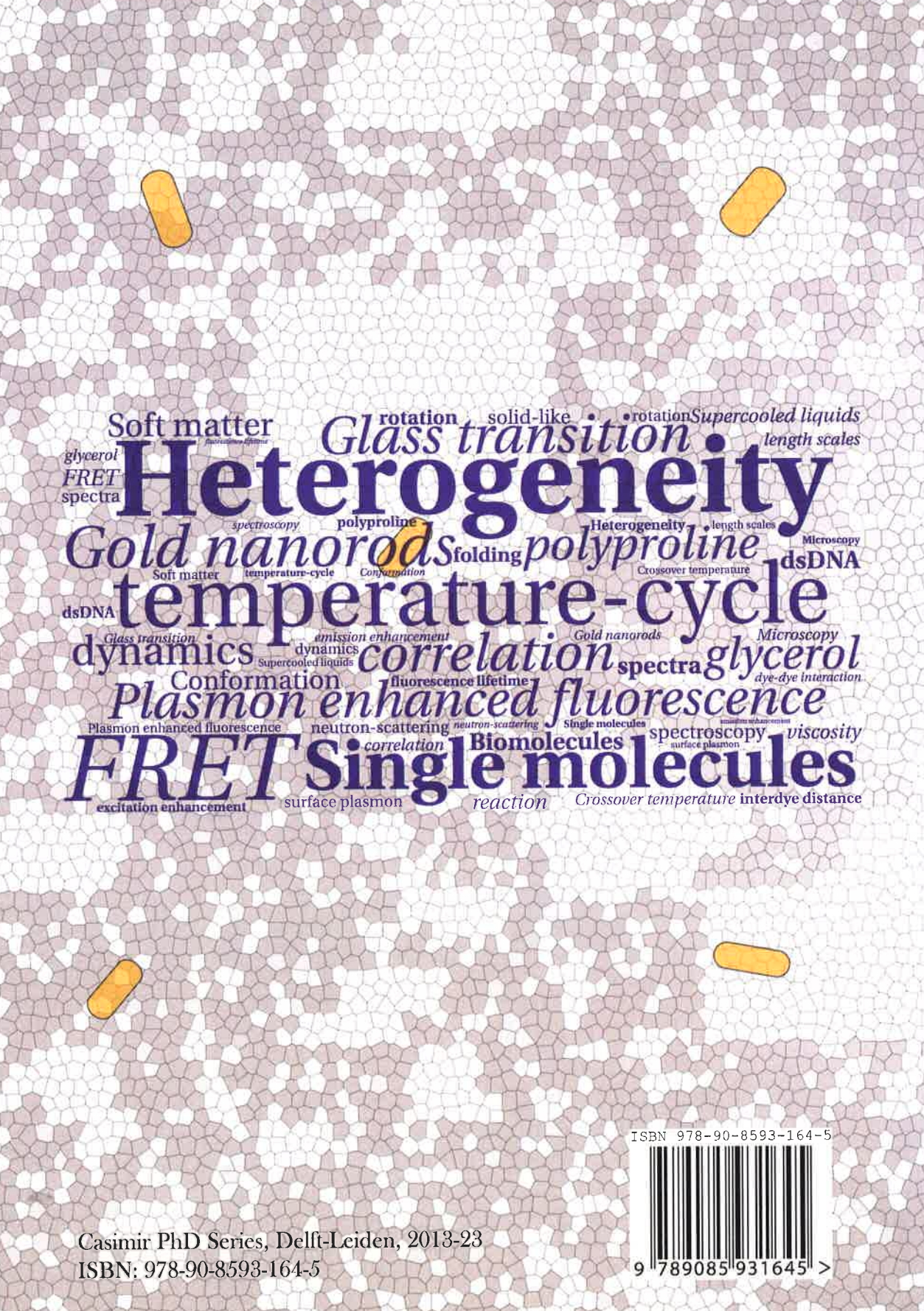
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**Single Molecules in Soft Matter:
A Study of Biomolecular Conformation,
Heterogeneity and Plasmon Enhanced Fluorescence**



Haifeng Yuan



Soft matter
glycerol
FRET
spectra
rotation
solid-like
rotation
Supercooled liquids
length scales
Glass transition
Heterogeneity
Gold nanorods
spectroscopy
polyproline
Heterogeneity
length scales
Microscopy
dsDNA
Soft matter
temperature-cycle
Conformation
Crossover temperature
dsDNA
Glass transition
dynamics
emission enhancement
dynamics
Supercooled liquids
correlation
Gold nanorods
Microscopy
spectra
glycerol
dye-dye interaction
Conformation
fluorescence lifetime
Plasmon enhanced fluorescence
neutron-scattering
neutron-scattering
Single molecules
spectroscopy
viscosity
FRET
excitation enhancement
surface plasmon
reaction
Crossover temperature
interdye distance
Biomolecules

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