

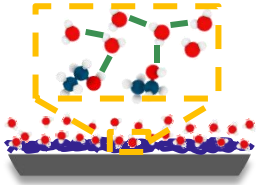
Molecular & Surface Chemical Engineering

Theory of confined transfer

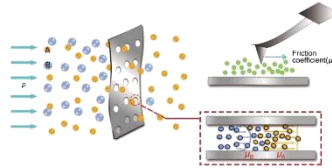
Molecular thermodynamics Non-equilibrium thermodynamics



Confined fluid microstructure & fluid properties

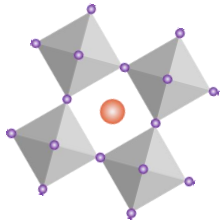


Confined flow resistance & transfer flux



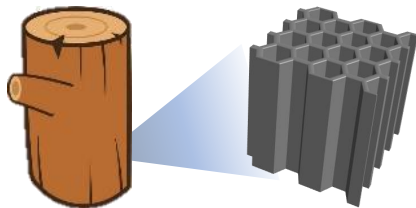
Materials Design & Application

Inorganic materials



$K_2O \cdot nTiO_2$ whiskers, TiO_2 , etc.

Functional carbon materials



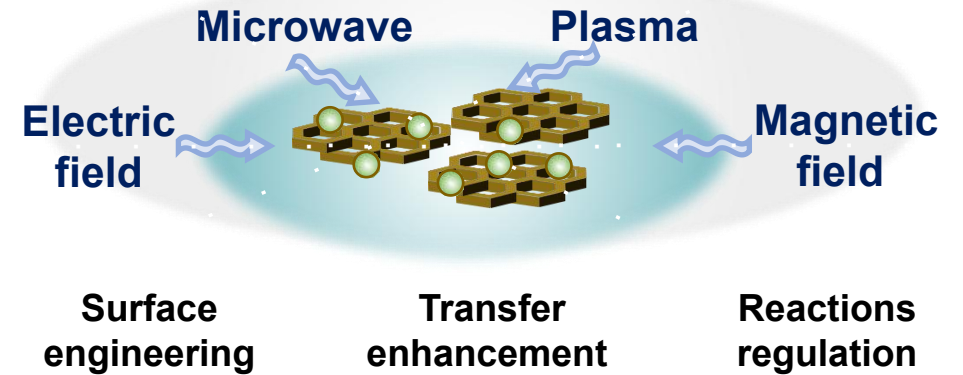
Catalysis, adsorption, etc.

Composite materials



Self-lubricating, sealing, etc.

External field technologies



Molecular Thermodynamics

Surface Chemical Engineering

External Field Technologies

Materials Design & Application