Creation of Future of Human, Environment, and Energy

~ From a Viewpoint of "Uses of Information in Life Activity"~

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Research Area

- Entropy ・Knot Theory
- Simulation ・Materials Informatics
- Energy Transforming Devices
- Utilization of Metal Complexes
- Utilization of Biopolymers
- Bio-signs under Extraordinary Environment
- Completely Closed Ecosystems
- Utilization of Marin Resources Wastes

Viewpoint of "Uses of Information in Life Activity"

Establishment of Forefront of Social Infrastructure and Scientific Literacy Education Based on Integration of arts and sciences

For the Future of Human, Environment, and Energy

Recent Activities

- Multiscale prediction of functional self-assembled materials using machine learning: High-performance surfactant molecules, *Nanoscale*, **2018**, *10*, 16013-16021.
- Endogenous Membrane Receptor Labeling by Reactive Cytokines and Growth Factors to Chase Their Dynamics in Live Cells, *Chem*, **2018**, 4, 1451-1464.