

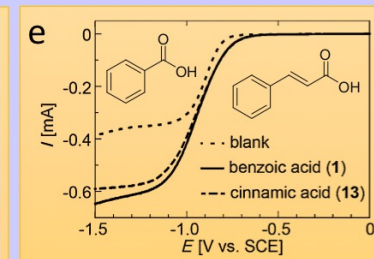
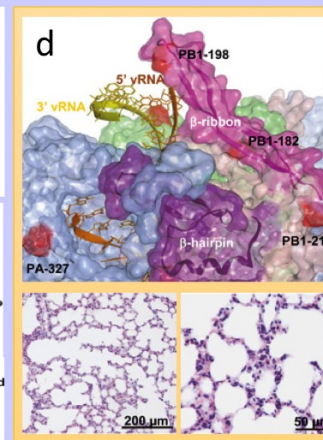
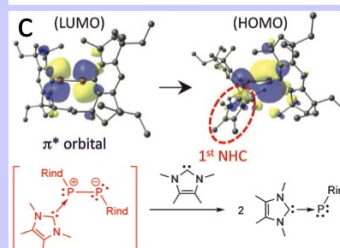
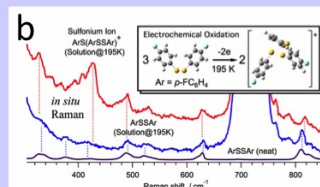
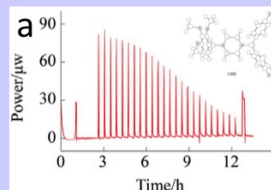
Human Philosophy Following Molecular Behavior for **Our** Global Future

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Research Area

1. Molecular interaction with photons.
2. Molecular behavior in chemical reactions.
3. Molecular recognition in chromatography.
4. Measurements & simulations of proteins.

Atomic and molecular points of view are enjoyed to enrich our knowledge and utilities for the human society, **sharing them with the youth.**



a Fujisawa, Kamiyama, Yano(4);
b Matsumoto, Morisawa, Wakabayashi(1,2); c Matsuo, Hatanaka(2); d Kawashita(4); e Matsumoto, Nishizawa(2)

Recent Activities

- Cleavage of a P=P double bond mediated by N-heterocyclic carbenes. *Angew. Chem. Int. Ed.* 56: 1–6, 2017.
- Low temperature Raman spectroscopy of an electro-generated sulfonium ion. *Chem. Commun.* 51: 13106, 2015.
- Electronic states in Bi₃ by laser-induced NIR spectroscopy in solid Ne. *J. Phys. Chem. A* 119: 2644–2650, 2015.