

# Research of Photoreactive Polymers



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<b>Status</b>	Professor
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<b>Affiliations</b>	CSJ (The Chemical Society of Japan) and JPA(The Japanese Photochemistry Association)
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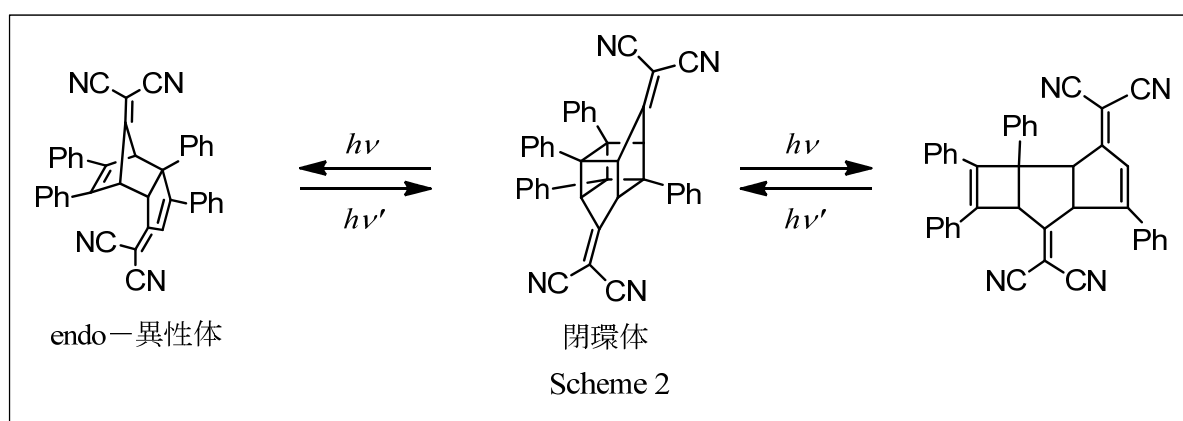
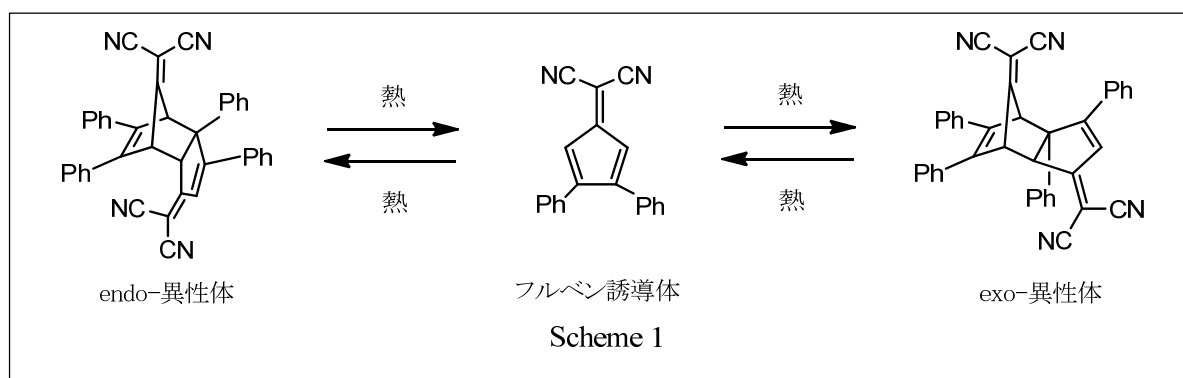
<b>Keywords</b>	Organic synthesis, Photochemistry, Photochromism
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<b>Technical Support Skills</b>	<ul style="list-style-type: none"> <li>• Separation and identification of organic compounds</li> <li>• Organic synthesis</li> </ul>
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## Research Contents

### Synthesis and Photoreaction of an Polymer containing Photosensitive Fulvene dimer

We had found some photosensitive fulvene dimers. These fulvene dimers which have the electron withdrawing groups are photochromic compounds. Furthermore, the interconversion reaction between endo-isomer and exo-isomer of this fulvene dimer proceeded under a thermal condition. We propose that these fulvene dimers are introduced into some polymers.



## Available Facilities and Equipment

FT-IR spectrometer	
Gas chromatography-mass spectrometry	
UV-Vis Spectrophotometer	