

Research on The Novel Functional Organic Materials



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Status	Specially Appointed Associate Professor		
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Keywords	Organic material, π conjugated molecule, Ionic liquid, Energy material		
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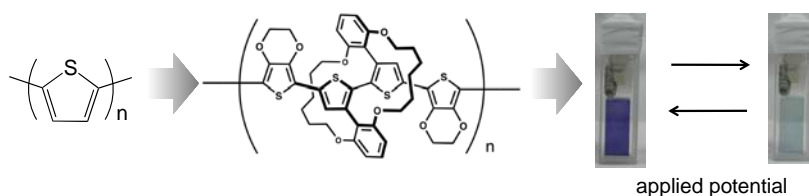
Support Skills	<ul style="list-style-type: none"> Characterization of organic materials 		
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Research Contents

Functional materials based on the molecular design

◆ π Conjugated Organic Material

⇒The bulk properties of organic materials are controlled with designing the molecular structure.



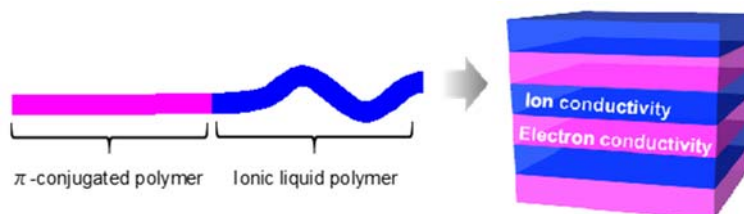
◆ Ionic Liquid

⇒The ionic liquids are applied to the electrolytes of high performance batteries.



◆ Hybrid material of electron (hole) / ion conductivity

⇒The novel copolymers that indicate ion conductivity as well as electron (hole) conductivity are synthesized from π conjugated monomers and ionic liquid monomers.



Available Facilities and Equipment
