

Development of functional Crystals



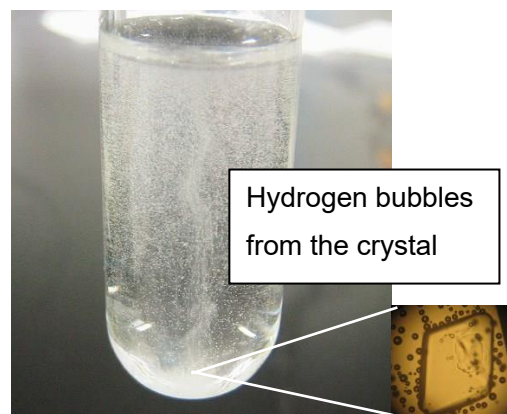
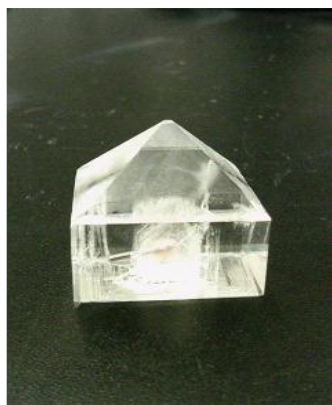
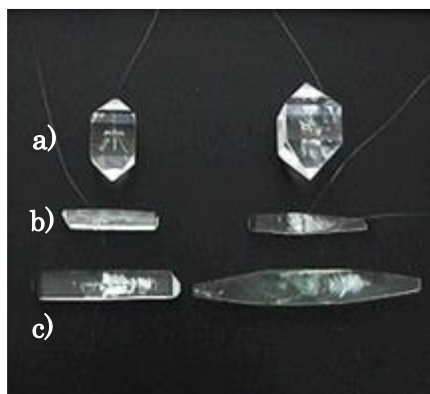
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Keywords	Crystal growth, control of morphology, effect of additives, single crystals		
Technical Support Skills 技術相談・提供可能技術	<ul style="list-style-type: none"> • Control of crystal morphology • Development of large single crystal 		
Message to the Industry 産業界へのメッセージ	Able to help with basic research for product developments		

Research Contents

Our laboratory devotes the investigation in the development of functional crystals for applications in different areas such as laser, pharmaceuticals, food additives, fertilizer and so on.

Current research topics are:

1. Control of crystal morphology
2. Development of large optical crystals
3. Development of solid crystals for nitrogen storage



Control of crystal morphology
a) Pure inorganic crystal
b) and c) Control with additives

Developed single crystal
(by rapid growth method)

Developed crystal for hydrogen storage

Available Facilities and Equipment

A set of batch crystallization system	
A unit set for in-situ crystal growth	