

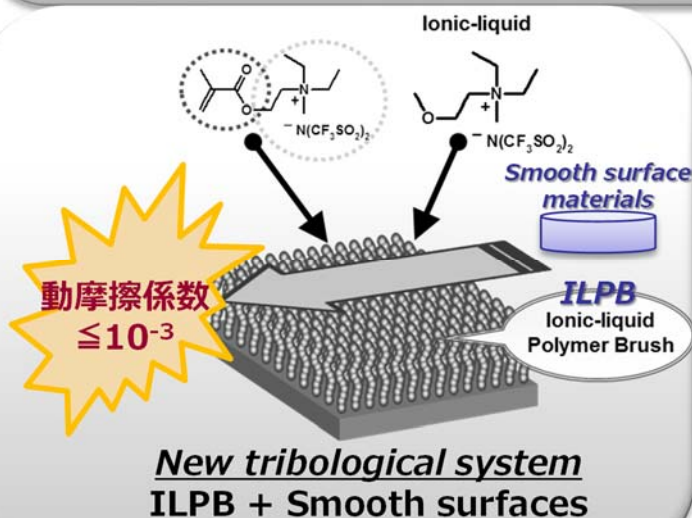
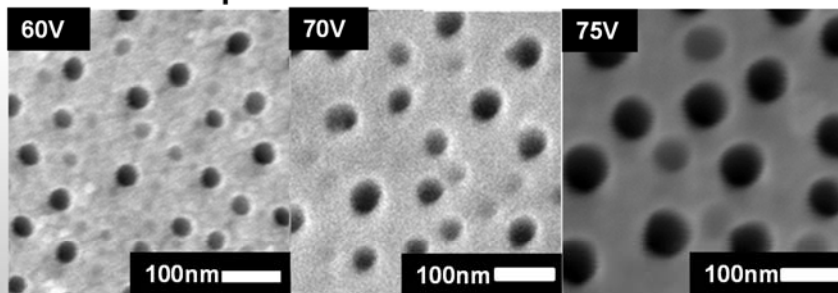
Development of a new functional materials



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Keywords	Nanomaterial(Nano porous), Separation, Characterization, Tribology		
Technical Support Skills	<ul style="list-style-type: none"> • Various instrumental analysis • Roughness, surface Profile measurement of the materials surface • Friction and ware measurements 		

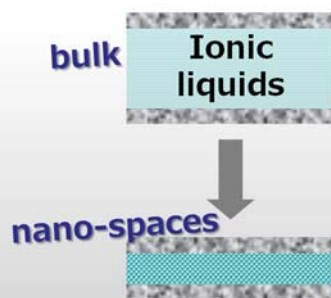
Research Contents

Anodic alumina membrane, 1 Dimensional nano-porous structure



Characterization

Ionic liquid confined between silica surfaces



A characteristic changes.

Available Facilities and Equipment

UV-Vis spectral photometer, UV1800 (SHIMADZU)	Vacuum evaporation system, VTS-350M/ERH (ULVAC)
SEM, JSM-6390 (JEOL)	Digital Microscope, KH-1300 (Hirox)
AFM, Agilent Technologies Series 5100 AFM/SPM	3FLEX (Micrometrics)
AFM5200S (Hitachi)	Soft plasma etching equipment, SEDE-GE (Meiwafosis)
Friction Tester, TYPE: 38FW (HEIDON)	FE-SEM (JSM-7100F)+EDS(JED-2300)