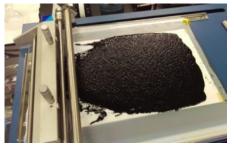
Development of Mechano-Activated Materials

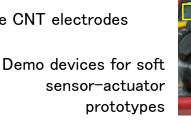


Mechano-Activated Materials Research Group Hirosato MONOBE

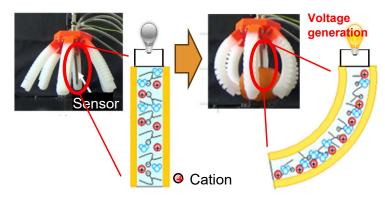
- 1. Nanocarbon Ink Process Development Exploring dispersion processes for printable electrodes
- 2. Uniform CNT Actuators Performance equalization with 100 mm CNT films
- 3. Demo Devices for Soft Actuators Prototyping for sensor—actuator applications
- 4. Sensor-Embedded Soft Robotic Hand Grasping and tactile evaluation via bending sensors
- 5. Infrared-Responsive Actuators Light-controlled bending using Liquid Crystal Polymer with photothermal layers



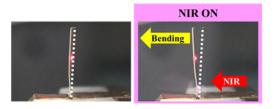
A4 size CNT electrodes







Flexible sensor-embedded soft robot hands



Infrared-responsive LCP actuators