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# **ELECTROACTIVE POLYMER ACTUATORS AND SENSORS**



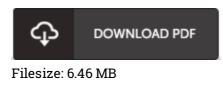
Electroactive Polymer Actuators and Sensors Experimental Characterization and Modeling of Ionic Polymer-metal Composite for Biomedical Applications

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LAP Lambert Acad. Publ. Feb 2010, 2010. Taschenbuch. Book Condition: Neu. 221x149x15 mm. Neuware - Ionic polymer-metal composites (IPMCs) are soft bending actuators and sensors. A typical IPMC consists of a thin perfluorinated ionomer membrane, noble metal electrodes plated on both faces, and is neutralized with the necessary amount of cations. They respond to electric stimulus by generating large bending motions and produce electric signals upon sudden bending deformations. These actuation and sensing responses, which result from the coupled chemo-electromechanical...

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- Authored by Yongxian Wu
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