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## PROTEIN IMPREGNATED POLYMER FILM INFRARED SENSOR USING SUSPENDED MICROELECTROMECHANICAL SYSTEMS PIXELS



Biblioscholar Nov 2012, 2012. Taschenbuch. Book Condition: Neu. 246x189x9 mm. This item is printed on demand - Print on Demand Neuware - The Air Force Research Laboratory Materials and Manufacturing Directorate have developed a novel protein impregnated polymer (PIP) suspension that changes resistivity as a function of absorbed infrared radiation. Due to this property, the PIP is a potential material for use as an uncooled bolometer, or thermal sensor. In this research, a thermally-isolated pixel design, sensor characterization methods, and...

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- Authored by Tetsuo Kaieda
- Released at 2012



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