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| Nota di contenuto | Newly Discovered Pile Up Effects During Nanoindentation -- Spring Constant Characterization of a Thermally Tunable MEMS Regressive Spring -- Shape Optimization of Cantilevered Devices for Piezoelectric Energy Harvesting -- Bonded Hemishell Approach to Encapsulate Microdevices in Spheroidal Packages -- Development of an Infrared Direct Viewer Based on a MEMS Focal Plane Array -- Modeling and Testing RF Meta-Atom Designs for Rapid Metamaterial Prototyping -- Pyroelectric AlN Thin Films Used as a MEMS IR Sensing Material -- In Situ Energy Loss and Internal Friction Measurement of Nanocrystalline Copper Thin Films Under Different Temperature -- Effect of Current Density and Magnetic Field on the Growth and Morphology of Nickel Nanowires. |
| Sommario/riassunto | MEMS and Nanotechnology, Volume 8: Proceedings of the 2014 Annual Conference on Experimental and Applied Mechanics, the eighth volume of eight from the Conference, brings together contributions to this important area of research and engineering. The collection presents early findings and case studies on a wide range of areas, including: |

Small-Scale Plasticity MEMS and Electronic Packaging Mechanics of Graphene Interfacial Mechanics Methods in Measuring Small-Scale Displacements Organic and Inorganic Nanowires AFM and Resonant-Based Methods Thin Films and Nanofibers .