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Altri autori (Persone)	KaneDeborah M MicolichAdam RabeauJames
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Nota di contenuto	Front Cover; Contents; Nanotechnology in Australia: Showcase of Early Career Research; Chapter 1. Plasmonic Circuits: Manipulating Light on the Nanoscale; Chapter 2. Nanoplasmonics for Light Trapping in Solar Cells; Chapter 3. Theoretical Nanoscale Design of Self-Cleaning Coatings; Chapter 4. Nitrogen-Vacancy Colour Centres in Diamond : Theory, Characterisation, and Applications; Chapter 5. Nanorods of Vanadium Compounds: Synthesis, Characterisation, and Application in Electrochemical Energy Storage; Chapter 6. Fabrication of Metal Nanoparticles by Laser Ablation Chapter 7. Synthesis and Application of HollowNanostructured SilicaChapter 8. Chemical Synthesis of Graphene: From Single Layers to Several Grams; Chapter 9. Diagnosing Diseases with Rust: Magnetic Nanoparticles for Biomedical Imaging; Chapter 10. Long-Lifetime Luminescent Nanobioprobes for Advanced Cytometry Biosensing; Chapter 11. Metal Nanostructure-Enhanced Fluorescence and Its Biological Applications; Chapter 12. Making Sense of It All: A Review of Olfactory Biosensing; Errata; Back Cover
Sommario/riassunto	This book reports current nanotechnology research from Australia, in addition to being the first trial of a new workshop program for the

professional development of early career researchers (ECRs, including research students). It showcases the professional talents and high-quality writing of ECRs and also describes the workshop program, organized under the auspices of the Australian Research Council Nanotechnology Network, designed to facilitate this. The nanotechnology research topics include plasmonics, the building blocks of plasmonic circuits; the use of metal nanoparticles to improve infr

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