1. Record Nr. UNINA9910824791203321 Advanced materials and processing 2010 [[electronic resource]]: **Titolo** proceedings of the 6th International Conference on ICAMP, Yunnan, PR China, 19-23 July, 2010 / / edited by Y.F. Zhang ... [et al.] Singapore;; London,: World Scientific, c2011 Pubbl/distr/stampa **ISBN** 1-283-43348-6 9786613433480 981-4322-79-2 Descrizione fisica 1 online resource (360 p.) Altri autori (Persone) ZhangY. F Disciplina 620.11 Soggetti Materials Manufacturing processes Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali "This special issue in Modern Physics Letters B ..."--Back cover. Nota di bibliografia Includes bibliographical references. Nota di contenuto PREFACE: CONTENTS: STRAIN SENSORS MADE FROM MWNT/POLYMER NANOCOMPOSITES; 1. Introduction; 2. Experimental Study on Influences of CNTs on Sensor Piezoresistivity; 3. Experimental and Numerical Investigations on MWNT-7/epoxy Sensor; 4. Conclusion; References; SHEAR BAND EVOLUTION AND NANOSTRUCTURE FORMATION IN TITANIUM BY COLD ROLLING; 1. Introduction; 2. Experimental Procedure: 3. Results and Discussion: 3.1. TEM quantification of the microstructure refinement within shear bands; 3.2. TEM study of the microstructure refinement mechanisms within shear bands; 4. Conclusion; References BIODEGRADABLE Mg-Zr-Ca ALLOYS FOR BONE IMPLANT MATERIALS1. Introduction; 2. Experimental Procedures; 3. Results and Discussion; 4. Conclusion: Acknowledgments: References: HYDROXYAPATITE SYNTHESIZED FROM NANOSIZED CALCIUM CARBONATE VIA HYDROTHERMAL METHOD; 1. Introduction; 2. Experimental Method; 3. Results and Discussion; 4. Conclusion; References; MODELING OF THE

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