* **Selected publications**
* **Selected on Journals**
1. DESERI L. and Owen, D. R. (2012). Moving interfaces that separate loose and compact phases of elastic aggregates: a mechanism for drastic reduction or increase in macroscopic deformation, CONTINUUM MECHANICS AND THERMODYNAMICS, in press. doi:10.1007/s00161-012-0260-y
2. E. Puntel, DESERI L., E. Fried (2011). Wrinkling of a Stretched Thin Sheet. JOURNAL OF ELASTICITY, **105** 137-170, doi:10.1007/s10659-010-9290-5.
3. DESERI L. and Owen,, D. R. (2010). Submacroscopically Stable Equilibria of Elastic Bodies Undergoing Disarrangements and Dissipation, Mathematics and Mechanics of Solids, **15** (6) 611-638.
4. DESERI L., PICCIONI M. D.. AND G. ZURLO (2008). Derivation of a new free energy for biological membranes, Continuum Mechanics and Thermodynamics **20** (5), 255-273*.*
5. DESERI L., GOLDEN J. M. (2007). The Minimum Free Energy for Continuous Spectrum Materials. SIAM JOURNAL ON APPLIED MATHEMATICS **67** (3), 869-892.
6. DESERI L., GOLDEN M. J. AND M. FABRIZIO (2006). The Concept of a Minimal State in Viscoelasticity: New Free Energies and Applications to PDEs. Archive for Rational Mechanics and Analysis**181**, 43-96.
7. DESERI L., D. R. OWEN. (2003). Toward a field theory for elastic bodies undergoing disarrangements. JOURNAL OF ELASTICITY **70** (I), pp. 197-236.
8. DESERI L., D.R.OWEN. (2002). Energetics of Two-level Shears and Hardening of Single Crystals. MATHEMATICS AND MECHANICS OF SOLIDS **7**, 113-147.
9. DESERI L., D. R. OWEN. (2000). Active Slip-Band Separation and the Energetics of Slip in Single Crystals. INTERNATIONAL JOURNAL OF PLASTICITY 16, 1411-1418.

9 DESERI L., R. MARES. (2000). A Class of Viscoelastoplastic Constitutive Models Based on the Maximum Dissipation Principle. MECHANICS OF MATERIALS 32, 389-403.

1. DESERI L., G. GENTILI AND M. J. GOLDEN. (1999). An Expression for the Minimal Free Energy in Linear Viscoelasticity. JOURNAL OF ELASTICITY **54**, 141-185.
2. DEL PIERO G., DESERI L. (1997). On the concepts of state and free energy in linear viscoelasticity. ARCHIVE FOR RATIONAL MECHANICS AND ANALYSIS 138, pp. 1-35.
* **Preprints & submitted manuscripts**
1. DESERI L. AND ZURLO G., Line tension and bending rigidity of biomembranes are determined by their stretching elasticity, 12-CNA-016 Center for Nonlinear Analysis preprints series.
2. DAL CORSO F. AND DESERI L., Nonlocal micromechanics-based models for prestressed random elastic composites and first estimates of the representative volume element size, 12-CNA-018 Center for Nonlinear Analysis preprints series.
* **Selected on Proceedings**
1. Lunghi, L., Deseri, L., (2012) Strain gradient membrane effects during cyclic Adenosine Monophosphate Pathway in human trophoblast cells, Proceedings of the IGF Group of Fracture-Conference, in press
2. DESERI L., DRUGAN W. J. (2008). An exact micromechanics based nonlocal constitutive equation for random viscoelastic composites, Proceedings of the MDP 2007 Conference.
	* **Selected on Monographs**
3. DESERI L., MARCARI G. AND G. ZURLO (2012). Thermodynamics, Chapter 5, In: Continuum Mechanics, EOLSS-UNESCO Encyclopedia, G. Saccomandi and J. Merodio Editors. Invited paper.
4. DESERI L., OWEN D.R. (2012). Structured deformations and the mechanics of submacroscopically structured solids: perspectives on a new approach, in Nanotechnologies and Smart materials for SHM, Final report of “Nanosense 2011”, 61-72, ISBN: 9788888102474
5. DESERI L. (2004). Crystalline plasticity and structured deformations. In Multiscale Modeling in Continuum Mechanics and Structured Deformations, Del Piero, G. and D. R. Owen editors, pp. 203-230, Springer New York, Wien.
	* **Monographs**

19 BIGONI, D., DESERI L., Recent progress in the mechanics of defects. Dordrecht: Springer, ISBN 9789400703131