

Roberto Alessi

Elenco Pubblicazioni Presentate

Elenco delle pubblicazioni scelte ai fini della procedura di selezione (cod. conc. 2019RTDB058).

1. G. Lancioni e R. Alessi. «Modeling micro-cracking and failure in short fiber-reinforced composites». In: *Journal of the Mechanics and Physics of Solids* 137 (2020), p. 103854, **IF (anno pub.):** 4.087, **IF (odierno):** 4.087 **num. cit.:** 0;
2. R. Alessi e F. Freddi. «Failure and complex crack patterns in hybrid laminates: A phase-field approach». In: *Composites Part B: Engineering* 179 (2019), p. 107256, **IF (anno pub.):** 6.864, **IF (odierno):** 6.864 **num. cit.:** 0;
3. P. Carrara, M. Ambati, R. Alessi e L. De Lorenzis. «A novel framework to model the fatigue behavior of brittle materials based on phase-field variational fracture approach». In: *Computer Methods in Applied Mechanics and Engineering* In Press (2019), p. 112731, **IF (anno pub.):** 4.821, **IF (odierno):** 4.821 **num. cit.:** 0;
4. R. Alessi, S. Vidoli e L. De Lorenzis. «Variational approach to fatigue phenomena with a phase-field model: the one-dimensional case». In: *Engineering Fracture Mechanics* 190 (2018), pp. 53–73, **IF (anno pub.):** 2.908, **IF (odierno):** 2.908 **num. cit.:** 16;
5. J. Bleyer e R. Alessi. «Phase-field modeling of anisotropic brittle damage in fibre-reinforced composites». In: *Computer Methods in Applied Mechanics and Engineering* 336 (2018), pp. 213–236, **IF (anno pub.):** 4.821, **IF (odierno):** 4.821 **num. cit.:** 24;
6. R. Alessi, J.-J. Marigo, C. Maurini e S. Vidoli. «Coupling damage and plasticity for a phase-field regularisation of brittle, cohesive and ductile fracture: One-dimensional examples». In: *International Journal of Mechanical Sciences* 149 (2018), pp. 559–576, **IF (anno pub.):** 4.134, **IF (odierno):** 4.134 **num. cit.:** 16;
7. R. Alessi, A. Favata e A. Micheletti. «Pressurized CNTs under tension: A finite-deformation lattice model». In: *Composites Part B: Engineering* 115 (2017), pp. 223–235, **IF (anno pub.):** 4.920, **IF (odierno):** 6.864 **num. cit.:** 8;
8. R. Alessi e F. Freddi. «Phase-field modelling of failure in hybrid laminates». In: *Composite Structures* 181 (2017), pp. 9–25, **IF (anno pub.):** 4.101, **IF (odierno):** 4.829 **num. cit.:** 12;
9. R. Alessi. «Energetic formulation for rate-independent processes: remarks on discontinuous evolutions with a simple example». In: *Acta Mechanica* 227 (2016), pp. 2805–2829, **IF (anno pub.):** 1.851, **IF (odierno):** 2.166 **num. cit.:** 9;

10. R. Alessi e K. Pham. «Variational formulation and stability analysis of a three dimensional superelastic model for shape memory alloys». In: *Journal of the Mechanics and Physics of Solids* 87 (2016), pp. 150–176, **IF (anno pub.):** 4.255, **IF (odierno):** 4.087 **num. cit.:** 10;
 11. R. Alessi, J.-J. Marigo e S. Vidoli. «Gradient damage models coupled with plasticity: Variational formulation and main properties». In: *Mechanics of Materials* 80 (2015), pp. 351–367, **IF (anno pub.):** 2.329, **IF (odierno):** 2.958 **num. cit.:** 64;
 12. R. Alessi, J.-J. Marigo e S. Vidoli. «Gradient Damage Models Coupled with Plasticity and Nucleation of Cohesive Cracks». In: *Archive for Rational Mechanics and Analysis* 214 (2014), pp. 575–615, **IF (anno pub.):** 2.022, **IF (odierno):** 2.186 **num. cit.:** 39;
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