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Qualifications

2000 Ph.D., ISGMP, LPMM, University of Metz, France, Mechanical Engineering

Publications (Selected)

1. Double crack growth analysis in the presence of a bi-material interface using XFEM and FEM modeling, *Engineering Fracture Mechanics*, K. Nasri, M. Abbadi, M. Zenasni, M. Ghammouri, Z. Azari, 132, pp.189-199, 2014.
2. Numerical and experimental study of crack behaviour at the zinc/TRIP steel 800 interface, *Computational Materials Science*, K. Nasri, M. Abbadi, M. Zenasni, Z. Azari, 82, pp. 172-177, 2014.
3. On high-cycle fatigue of 316L stents, *Computer Methods in Biomechanics and Biomedical Engineering*, Olga Barrera, Ahmed Makradi, Mohammed Abbadi, Mohamed Azaouzi & salim Belouettar, pp. 1-12, 2012.
4. An approach in plastic strain-controlled cumulative fatigue damage, *International Journal of Fatigue*, M. Ghammouri, M. Abbadi, J. Mendez, S. Belouettar, M. Zenasni, 33, pp. 265-272, 2011.
5. Influence of the loading path on fatigue crack growth under mixed-mode loading, *International Journal of Fracture*, V. Doquet, M. Abbadi, Q. H. Bui and A. Pons, Volume 159, Number 2, pp. 219-232, 2009.
6. The influence of fatigue cycling on the oxidation kinetics and crack initiation of a Cr-Mo steel, *International Journal of Fatigue*, Z. Azari, M. Abbadi, H. Moustabchir, M. Lebienvu, 30, pp. 517-527, 2007.
7. A new non-local criterion in high-cycle multiaxial fatigue for non-proportional loadings, *International Journal of Fatigue*, A. Chamat, M. Abbadi, J. Gilgert, F. Cochetoux, Z. Azari, 29, pp. 1465-1474, 2007.
8. Glass damage by impact spallation, *Materials Science and Engineering A*, A. Nyoungue, Z. Azari, M. Abbadi, S. Dominiak, S. Hanim, Vol. 407, pp. 256-264, 2005.
9. Analysis of Portevin- Le Chatelier serrations of type B in Al-Mg, *Materials Science and Engineering A*, F. B. Klose, A. Ziegenbein, H. Neuhäuser, P. Hähner M. Abbadi, A. Zegloul, Vol. 369, pp. 76-81, 2004.
10. On the characteristics of Portevin-Le Chatelier bands in aluminum alloy 5182 under stress-controlled and strain-controlled tensile testing, *Materials Science and Engineering A*, M. Abbadi, P. Hähner, A. Zegloul, Vol. 337, pp. 194-201, 2002.