## Publications in peer-reviewed journals

1. Tianyi Li, Jean Jacques Marigo, Daniel Guilbaud, and Serguei Potapov. Variational approach to dynamic brittle fracture via gradient damage models. *Applied Mechanics and Materials*, 784:334–341, August 2015

2. Tianyi Li, Jean-Jacques Marigo, Daniel Guilbaud, and Serguei Potapov. Gradient damage modeling of brittle fracture in an explicit dynamics context. *International Journal for Numerical Methods in Engineering*, 108(11):1381–1405, May 2016

3. Tianyi Li, Jean-Jacques Marigo, Daniel Guilbaud, and Serguei Potapov. Numerical investigation of dynamic brittle fracture via gradient damage models. *Advanced Modeling and Simulation in Engineering Sciences*, 3(1), August 2016

4. Tianyi Li. *Gradient-damage modeling of dynamic brittle fracture: Variational principles and numerical simulations*. PhD thesis, Université Paris-Saclay, October 2016

5. Tianyi Li and Jean-Jacques Marigo. Crack tip equation of motion in dynamic gradient damage models. *Journal of Elasticity*, 127(1):25–57, September 2016

6. Erwan Tanné, Tianyi Li, Blaise Bourdin, Jean-Jacques Marigo, and Corrado Maurini. Crack nucleation in variational phase-field models of brittle fracture. *Journal of the Mechanics and Physics of Solids*, 110:80–99, January 2018

7. Tianyi Li and Jean-François Luyé. Optimization of fiber orientation model parameters in the presence of flow-fiber coupling. *Journal of Composites Science*, 2(4):73, December 2018

8. Tianyi Li and Jean-François Luyé. Flow-fiber coupled viscosity in injection molding simulations of short fiber reinforced thermoplastics. *International Polymer Processing*, 2019