# Wei Jiang

## List of Publications by Citations



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|---|---|---|---|
| 15 papers | 211 citations | 8 h-index | 14 g-index |
| 15 ext. papers | 248 ext. citations | 4.1 avg, IF | 3.64 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 15 | Phase field approach for simulating solid-state dewetting problems. *Acta Materialia*, **2012**, 60, 5578-5592 | 8.4 | 61 |
| 14 | Sharp interface model for solid-state dewetting problems with weakly anisotropic surface energies. *Physical Review B*, **2015**, 91, | 3.3 | 24 |
| 13 | A parametric finite element method for solid-state dewetting problems with anisotropic surface energies. *Journal of Computational Physics*, **2017**, 330, 380-400 | 4.1 | 23 |
| 12 | Solid-state dewetting and island morphologies in strongly anisotropic materials. *Scripta Materialia*, **2016**, 115, 123-127 | 5.6 | 21 |
| 11 | Stable Equilibria of Anisotropic Particles on Substrates: A Generalized Winterbottom Construction. *SIAM Journal on Applied Mathematics*, **2017**, 77, 2093-2118 | 1.8 | 15 |
| 10 | Application of Onsagerís variational principle to the dynamics of a solid toroidal island on a substrate. *Acta Materialia*, **2019**, 163, 154-160 | 8.4 | 11 |
| 9 | A Parametric Finite Element Method for Solid-State Dewetting Problems in Three Dimensions. *SIAM Journal of Scientific Computing*, **2020**, 42, B327-B352 | 2.6 | 10 |
| 8 | Sharp-interface approach for simulating solid-state dewetting in two dimensions: A Cahn□Hoffman □vector formulation. *Physica D: Nonlinear Phenomena*, **2019**, 390, 69-83 | 3.3 | 9 |
| 7 | Sharp-Interface Model for Simulating Solid-State Dewetting in Three Dimensions. *SIAM Journal on Applied Mathematics*, **2020**, 80, 1654-1677 | 1.8 | 8 |
| 6 | Triple junction drag effects during topological changes in the evolution of polycrystalline microstructures. *Acta Materialia*, **2017**, 128, 345-350 | 8.4 | 6 |
| 5 | An energy-stable parametric finite element method for simulating solid-state dewetting. *IMA Journal of Numerical Analysis*, **2021**, 41, 2026-2055 | 1.8 | 6 |
| 4 | An unconditionally energy stable scheme for simulating wrinkling phenomena of elastic thin films on a compliant substrate. *Journal of Computational Physics*, **2019**, 388, 123-143 | 4.1 | 5 |
| 3 | Solid-state dewetting on curved substrates. *Physical Review Materials*, **2018**, 2, | 3.2 | 5 |
| 2 | A perimeter-decreasing and area-conserving algorithm for surface diffusion flow of curves. *Journal of Computational Physics*, **2021**, 443, 110531 | 4.1 | 4 |
| 1 | A numerical study of the wrinkling evolution of an elastic film on a viscous layer. *Modelling and Simulation in Materials Science and Engineering*, **2009**, 17, 055010 | 2 | 3 |