

# Wei Jiang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	An energy-stable parametric finite element method for simulating solid-state dewetting. <i>IMA Journal of Numerical Analysis</i> , <b>2021</b> , 41, 2026-2055	1.8	6
14	A perimeter-decreasing and area-conserving algorithm for surface diffusion flow of curves. <i>Journal of Computational Physics</i> , <b>2021</b> , 443, 110531	4.1	4
13	A Parametric Finite Element Method for Solid-State Dewetting Problems in Three Dimensions. <i>SIAM Journal of Scientific Computing</i> , <b>2020</b> , 42, B327-B352	2.6	10
12	Sharp-Interface Model for Simulating Solid-State Dewetting in Three Dimensions. <i>SIAM Journal on Applied Mathematics</i> , <b>2020</b> , 80, 1654-1677	1.8	8
11	Sharp-interface approach for simulating solid-state dewetting in two dimensions: A Cahn-Hoffman vector formulation. <i>Physica D: Nonlinear Phenomena</i> , <b>2019</b> , 390, 69-83	3.3	9
10	An unconditionally energy stable scheme for simulating wrinkling phenomena of elastic thin films on a compliant substrate. <i>Journal of Computational Physics</i> , <b>2019</b> , 388, 123-143	4.1	5
9	Application of Onsager's variational principle to the dynamics of a solid toroidal island on a substrate. <i>Acta Materialia</i> , <b>2019</b> , 163, 154-160	8.4	11
8	Solid-state dewetting on curved substrates. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	5
7	A parametric finite element method for solid-state dewetting problems with anisotropic surface energies. <i>Journal of Computational Physics</i> , <b>2017</b> , 330, 380-400	4.1	23
6	Triple junction drag effects during topological changes in the evolution of polycrystalline microstructures. <i>Acta Materialia</i> , <b>2017</b> , 128, 345-350	8.4	6
5	Stable Equilibria of Anisotropic Particles on Substrates: A Generalized Winterbottom Construction. <i>SIAM Journal on Applied Mathematics</i> , <b>2017</b> , 77, 2093-2118	1.8	15
4	Solid-state dewetting and island morphologies in strongly anisotropic materials. <i>Scripta Materialia</i> , <b>2016</b> , 115, 123-127	5.6	21
3	Sharp interface model for solid-state dewetting problems with weakly anisotropic surface energies. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	24
2	Phase field approach for simulating solid-state dewetting problems. <i>Acta Materialia</i> , <b>2012</b> , 60, 5578-5598	8.4	61
1	A numerical study of the wrinkling evolution of an elastic film on a viscous layer. <i>Modelling and Simulation in Materials Science and Engineering</i> , <b>2009</b> , 17, 055010	2	3