

Quan Zhao

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.

14
papers

115
citations

7
h-index

10
g-index

14
ext. papers

146
ext. citations

4.1
avg, IF

3.67
L-index

#	Paper	IF	Citations
14	Volume-preserving parametric finite element methods for axisymmetric geometric evolution equations. <i>Journal of Computational Physics</i> , 2022 , 460, 111180	4.1	2
13	A Structure-Preserving Parametric Finite Element Method for Surface Diffusion. <i>SIAM Journal on Numerical Analysis</i> , 2021 , 59, 2775-2799	2.4	4
12	An energy-stable parametric finite element method for simulating solid-state dewetting. <i>IMA Journal of Numerical Analysis</i> , 2021 , 41, 2026-2055	1.8	6
11	A finite element method for electrowetting on dielectric. <i>Journal of Computational Physics</i> , 2021 , 429, 109998	4.1	2
10	A thermodynamically consistent model and its conservative numerical approximation for moving contact lines with soluble surfactants. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021 , 385, 114033	5.7	1
9	An energy-stable finite element method for the simulation of moving contact lines in two-phase flows. <i>Journal of Computational Physics</i> , 2020 , 417, 109582	4.1	4
8	A Parametric Finite Element Method for Solid-State Dewetting Problems in Three Dimensions. <i>SIAM Journal of Scientific Computing</i> , 2020 , 42, B327-B352	2.6	10
7	Sharp-Interface Model for Simulating Solid-State Dewetting in Three Dimensions. <i>SIAM Journal on Applied Mathematics</i> , 2020 , 80, 1654-1677	1.8	8
6	Sharp-interface approach for simulating solid-state dewetting in two dimensions: A Cahn-Hoffman vector formulation. <i>Physica D: Nonlinear Phenomena</i> , 2019 , 390, 69-83	3.3	9
5	A sharp-interface model and its numerical approximation for solid-state dewetting with axisymmetric geometry. <i>Journal of Computational and Applied Mathematics</i> , 2019 , 361, 144-156	2.4	8
4	Application of Onsager's variational principle to the dynamics of a solid toroidal island on a substrate. <i>Acta Materialia</i> , 2019 , 163, 154-160	8.4	11
3	A parametric finite element method for solid-state dewetting problems with anisotropic surface energies. <i>Journal of Computational Physics</i> , 2017 , 330, 380-400	4.1	23
2	Triple junction drag effects during topological changes in the evolution of polycrystalline microstructures. <i>Acta Materialia</i> , 2017 , 128, 345-350	8.4	6
1	Solid-state dewetting and island morphologies in strongly anisotropic materials. <i>Scripta Materialia</i> , 2016 , 115, 123-127	5.6	21