Paul C Millett

List of Publications by Year
in descending order

25 papers	714 citations	759233 12 h-index	580821 25 g-index
25 all docs	25 docs citations	25 times ranked	650 citing authors

#	Article	IF	Citations
1	Phase-field modeling of non-solvent induced phase separation (NIPS) for PES/NMP/Water with comparison to experiments. Journal of Membrane Science, 2021, 619, 118779.	8.2	28
2	Numerical study of the phase behavior of rod-like colloidal particles with attractive tips. AIP Advances, 2021, 11, 025030.	1.3	3
3	Nanoscale investigation and control of photothermal action of gold nanostructure-coated surfaces. Journal of Materials Science, 2021, 56, 10249-10263.	3.7	3
4	Mesoscopic simulations of thermally-induced phase separation in PVDF/DPC solutions. Journal of Membrane Science, 2019, 577, 266-273.	8.2	19
5	Directed Self-Assembly in Diblock Copolymer Thin Films for Uniform Hemisphere Pattern Formation. Macromolecules, 2019, 52, 9495-9503.	4.8	6
6	Tuning thin-film bijels with applied external electric fields. Soft Matter, 2018, 14, 4344-4354.	2.7	7
7	Two-dimensional bicontinuous structures from symmetric surface-directed spinodal decomposition in thin films. Physical Review E, 2018, 98, 022601.	2.1	7
8	Diverse morphologies in thin-film bijels by varying film thickness and composition. Soft Matter, 2017, 13, 4214-4223.	2.7	6
9	Phase-field simulations of the impact of bimodal pore size distributions on solid-state densification. Journal of Nuclear Materials, 2017, 491, 48-54.	2.7	1
10	Phase-field simulations of pore migration and morphology change in thermal gradients. Journal of Nuclear Materials, 2017, 490, 299-304.	2.7	20
11	Numerical Simulations of Directed Self-Assembly in Diblock Copolymer Films using Zone Annealing and Pattern Templating. Scientific Reports, 2017, 7, 5250.	3.3	14
12	Mesoscopic simulations of coarsening kinetics within block-copolymer/homopolymer thin films. Computational Materials Science, 2016, 125, 20-27.	3.0	3
13	Time-dependent Ginzburg-Landau model for nonfrustrated linear<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi><mml:mi>B</mml:mi><mml:mi>C</mml:mi terpolymers. Physical Review E, 2015, 92, 022602.	2.1	4
14	Numerical simulations of bijel morphology in thin films with complete surface wetting. Journal of Chemical Physics, 2015, 143, 154701.	3.0	12
15	Demonstrating the Temperature Gradient Impact on Grain Growth in UO2Using the Phase Field Method. Materials Research Letters, 2014, 2, 23-28.	8.7	38
16	Electric-field induced alignment of nanoparticle-coated channels in thin-film polymer membranes. Journal of Chemical Physics, 2014, 140, 144903.	3.0	12
17	Consideration of grain size distribution in the diffusion of fission gas to grain boundaries. Journal of Nuclear Materials, 2013, 440, 435-439.	2.7	6
18	An object-oriented finite element framework for multiphysics phase field simulations. Computational Materials Science, 2012, 51, 20-29.	3.0	217

#	ARTICLE	IF	CITATIONS
19	Phase-field modeling of temperature gradient driven pore migration coupling with thermal conduction. Computational Materials Science, 2012, 56, 161-165.	3.0	38
20	Mesoscale modeling of intergranular bubble percolation in nuclear fuels. Journal of Applied Physics, 2012, 111, .	2.5	9
21	Phase-field simulation of intergranular bubble growth and percolation in bicrystals. Journal of Nuclear Materials, 2012, 425, 130-135.	2.7	42
22	Grain boundary percolation modeling of fission gas release in oxide fuels. Journal of Nuclear Materials, 2012, 424, 176-182.	2.7	23
23	Phase-field simulation of irradiated metals. Computational Materials Science, 2011, 50, 949-959.	3.0	83
24	Atomistic simulations of void migration under thermal gradient in UO2. Acta Materialia, 2010, 58, 330-339.	7.9	24
25	Phase field modeling of void nucleation and growth in irradiated metals. Modelling and Simulation in Materials Science and Engineering, 2009, 17, 064002.	2.0	89