

Prabhat K Jaiswal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1638052/publications.pdf>

Version: 2024-02-01

22
papers

241
citations

1040056

9
h-index

940533

16
g-index

22
all docs

22
docs citations

22
times ranked

262
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface-directed spinodal decomposition on chemically patterned substrates. <i>Physical Review E</i> , 2020, 102, 012803.	2.1	10
2	Enhanced attraction between particles in a bidisperse mixture with random pair-wise interactions. <i>Phase Transitions</i> , 2020, 93, 895-908.	1.3	3
3	Surface-directed spinodal decomposition on morphologically patterned substrates. <i>Physical Review E</i> , 2020, 102, 032801.	2.1	5
4	Host-parasite coevolution: Role of selection, mutation, and asexual reproduction on evolvability. <i>Chaos</i> , 2020, 30, 073103.	2.5	1
5	Scaling theory of the mechanical properties of amorphous nano-films. <i>Thin Solid Films</i> , 2019, 669, 80-84.	1.8	1
6	The sandpile revisited: computer assisted determination of constitutive relations and the breaking of scaling. <i>Soft Matter</i> , 2017, 13, 5008-5020.	2.7	4
7	Mechanical Yield in Amorphous Solids: A First-Order Phase Transition. <i>Physical Review Letters</i> , 2016, 116, 085501.	7.8	64
8	Stochastic approach to plasticity and yield in amorphous solids. <i>Physical Review E</i> , 2015, 92, 062302.	2.1	24
9	Modeling Barkhausen Noise in magnetic glasses with dipole-dipole interactions. <i>Europhysics Letters</i> , 2015, 112, 17011.	2.0	6
10	Shear Transformation Zones: State determined or protocol dependent?. <i>Europhysics Letters</i> , 2015, 109, 16002.	2.0	28
11	Surface-directed spinodal decomposition and enrichment in fluid mixtures: Molecular dynamics simulations. <i>European Physical Journal: Special Topics</i> , 2013, 222, 961-974.	2.6	2
12	Phase separation in antisymmetric films: A molecular dynamics study. <i>Journal of Chemical Physics</i> , 2013, 139, 174705.	3.0	3
13	Phase separation in thin films: Effect of temperature gradients. <i>Europhysics Letters</i> , 2013, 103, 66003.	2.0	11
14	Hydrodynamic crossovers in surface-directed spinodal decomposition and surface enrichment. <i>Europhysics Letters</i> , 2012, 97, 16005.	2.0	17
15	Formation of metastable structures by phase separation triggered by initial composition gradients in thin films. <i>Journal of Chemical Physics</i> , 2012, 137, 064704.	3.0	7
16	Surface-directed spinodal decomposition: A molecular dynamics study. <i>Physical Review E</i> , 2012, 85, 051137.	2.1	14
17	Phase separation of binary mixtures in thin films: Effects of an initial concentration gradient across the film. <i>Physical Review E</i> , 2012, 85, 041602.	2.1	11
18	Morphological phase separation in unstable thin films: pattern formation and growth. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 13598.	2.8	4

#	ARTICLE	IF	CITATIONS
19	Amplification of Fluctuations in Unstable Systems with Disorder. Journal of Physical Chemistry B, 2011, 115, 4399-4403.	2.6	3
20	Kinetics of spinodal phase separation in unstable thin liquid films. Physical Review E, 2010, 82, 011601.	2.1	14
21	Kinetics of surface enrichment: A molecular dynamics study. Journal of Chemical Physics, 2010, 133, 154901.	3.0	5
22	Spinodal phase separation in liquid films with quenched disorder. Physical Chemistry Chemical Physics, 2010, 12, 12964.	2.8	4