

# Prabhat K Jaiswal

## List of Publications by Year in descending order

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22  
papers

241  
citations

1040056

9  
h-index

940533

16  
g-index

22  
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22  
docs citations

22  
times ranked

262  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical Yield in Amorphous Solids: A First-Order Phase Transition. <i>Physical Review Letters</i> , 2016, 116, 085501.	7.8	64
2	Shear Transformation Zones: State determined or protocol dependent?. <i>Europhysics Letters</i> , 2015, 109, 16002.	2.0	28
3	Stochastic approach to plasticity and yield in amorphous solids. <i>Physical Review E</i> , 2015, 92, 062302.	2.1	24
4	Hydrodynamic crossovers in surface-directed spinodal decomposition and surface enrichment. <i>Europhysics Letters</i> , 2012, 97, 16005.	2.0	17
5	Kinetics of spinodal phase separation in unstable thin liquid films. <i>Physical Review E</i> , 2010, 82, 011601.	2.1	14
6	Surface-directed spinodal decomposition: A molecular dynamics study. <i>Physical Review E</i> , 2012, 85, 051137.	2.1	14
7	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
8	Phase separation in thin films: Effect of temperature gradients. <i>Europhysics Letters</i> , 2013, 103, 66003.	2.0	11
9	Surface-directed spinodal decomposition on chemically patterned substrates. <i>Physical Review E</i> , 2020, 102, 012803.	2.1	10
10	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
11	Modeling Barkhausen Noise in magnetic glasses with dipole-dipole interactions. <i>Europhysics Letters</i> , 2015, 112, 17011.	2.0	6
12	Kinetics of surface enrichment: A molecular dynamics study. <i>Journal of Chemical Physics</i> , 2010, 133, 154901.	3.0	5
13	Surface-directed spinodal decomposition on morphologically patterned substrates. <i>Physical Review E</i> , 2020, 102, 032801.	2.1	5
14	Spinodal phase separation in liquid films with quenched disorder. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12964.	2.8	4
15	Morphological phase separation in unstable thin films: pattern formation and growth. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 13598.	2.8	4
16	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
17	Amplification of Fluctuations in Unstable Systems with Disorder. <i>Journal of Physical Chemistry B</i> , 2011, 115, 4399-4403.	2.6	3
18	Phase separation in antisymmetric films: A molecular dynamics study. <i>Journal of Chemical Physics</i> , 2013, 139, 174705.	3.0	3

#	ARTICLE	IF	CITATIONS
19	Enhanced attraction between particles in a bidisperse mixture with random pair-wise interactions. <i>Phase Transitions</i> , 2020, 93, 895-908.	1.3	3
20	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
21	Scaling theory of the mechanical properties of amorphous nano-films. <i>Thin Solid Films</i> , 2019, 669, 80-84.	1.8	1
22	Host-parasite coevolution: Role of selection, mutation, and asexual reproduction on evolvability. <i>Chaos</i> , 2020, 30, 073103.	2.5	1