

Bianca M Mladek

List of Publications by Year in descending order

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16
papers

1,013
citations

516710

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h-index

888059

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all docs

17
docs citations

17
times ranked

542
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of Polymorphic Cluster Phases for a Class of Models of Purely Repulsive Soft Spheres. <i>Physical Review Letters</i> , 2006, 96, 045701.	7.8	214
2	Why do ultrasoft repulsive particles cluster and crystallize? Analytical results from density-functional theory. <i>Journal of Chemical Physics</i> , 2007, 126, 224502.	3.0	163
3	Computer Assembly of Cluster-Forming Amphiphilic Dendrimers. <i>Physical Review Letters</i> , 2008, 100, 028301.	7.8	86
4	Design Rule for Colloidal Crystals of DNA-Functionalized Particles. <i>Physical Review Letters</i> , 2011, 107, 045902.	7.8	74
5	Phase Coexistence of Cluster Crystals: Beyond the Gibbs Phase Rule. <i>Physical Review Letters</i> , 2007, 99, 235702.	7.8	63
6	Multiple occupancy crystals formed by purely repulsive soft particles. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 494245.	1.8	61
7	Clustering in the Absence of Attractions: Density Functional Theory and Computer Simulations. <i>Journal of Physical Chemistry B</i> , 2007, 111, 12799-12808.	2.6	51
8	Microscopically Resolved Simulations Prove the Existence of Soft Cluster Crystals. <i>Physical Review Letters</i> , 2012, 109, 228301.	7.8	51
9	Reentrant and Isostructural Transitions in a Cluster-Crystal Former. <i>Physical Review Letters</i> , 2010, 105, 245701.	7.8	50
10	Quantitative Prediction of the Phase Diagram of DNA-Functionalized Nanosized Colloids. <i>Physical Review Letters</i> , 2012, 108, 268301.	7.8	47
11	Monomer-Resolved Simulations of Cluster-Forming Dendrimers. <i>Journal of Physical Chemistry B</i> , 2011, 115, 7218-7226.	2.6	29
12	Thermodynamically self-consistent liquid state theories for systems with bounded potentials. <i>Journal of Chemical Physics</i> , 2006, 124, 064503.	3.0	27
13	Cluster-forming systems of ultrasoft repulsive particles: statics and dynamics. <i>Computer Physics Communications</i> , 2008, 179, 71-76.	7.5	25
14	Procedure to construct a multi-scale coarse-grained model of DNA-coated colloids from experimental data. <i>Soft Matter</i> , 2013, 9, 7342.	2.7	23
15	Pair interactions between complex mesoscopic particles from Widom's particle-insertion method. <i>Soft Matter</i> , 2011, 7, 1450-1455.	2.7	17
16	Thermodynamic stability and structural properties of cluster crystals formed by amphiphilic dendrimers. <i>Journal of Chemical Physics</i> , 2016, 144, 204901.	3.0	8