

Tonnishtha Dasgupta

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Binary icosahedral clusters of hard spheres in spherical confinement. <i>Nature Physics</i> , 2021, 17, 128-134.	16.7	42
2	Quantitative 3D real-space analysis of Laves phase supraparticles. <i>Nature Communications</i> , 2021, 12, 3980.	12.8	12
3	Tuning the Glass Transition: Enhanced Crystallization of the Laves Phases in Nearly Hard Spheres. <i>ACS Nano</i> , 2020, 14, 3957-3968.	14.6	16
4	Towards the colloidal Laves phase from binary hard-sphere mixtures <i>via</i> sedimentation. <i>Soft Matter</i> , 2018, 14, 2465-2475.	2.7	14
5	Crystallization of Nanocrystals in Spherical Confinement Probed by <i>in Situ</i> X-ray Scattering. <i>Nano Letters</i> , 2018, 18, 3675-3681.	9.1	53
6	Growth of defect-free colloidal hard-sphere crystals using colloidal epitaxy. <i>Journal of Chemical Physics</i> , 2017, 146, 074903.	3.0	12
7	Fabrication of Colloidal Laves Phases <i>via</i> Hard Tetramers and Hard Spheres: Bulk Phase Diagram and Sedimentation Behavior. <i>ACS Nano</i> , 2017, 11, 7702-7709.	14.6	29
8	Stabilizing the hexagonal close packed structure of hard spheres with polymers: Phase diagram, structure, and dynamics. <i>Journal of Chemical Physics</i> , 2016, 145, 054902.	3.0	4
9	Effect of functional groups on separating carbon dioxide from CO ₂ /N ₂ gas mixtures using edge functionalized graphene nanoribbons. <i>Chemical Engineering Science</i> , 2015, 121, 279-291.	3.8	39