

Tonnishtha Dasgupta

List of Publications by Year in descending order

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citing authors

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