

Gabriele M Coli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4849682/publications.pdf>

Version: 2024-02-01

8
papers

154
citations

1163117

8
h-index

1588992

8
g-index

8
all docs

8
docs citations

8
times ranked

135
citing authors

#	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	Inverse design of soft materials via a deep learning-based evolutionary strategy. <i>Science Advances</i> , 2022, 8, eabj6731.	10.3	26
3	Inverse design of charged colloidal particle interactions for self assembly into specified crystal structures. <i>Journal of Chemical Physics</i> , 2019, 151, 084109.	3.0	17
4	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
5	An Artificial Neural Network Reveals the Nucleation Mechanism of a Binary Colloidal AB_{13} Crystal. <i>ACS Nano</i> , 2021, 15, 4335-4346.	14.6	16
6	Machine-learning free-energy functionals using density profiles from simulations. <i>APL Materials</i> , 2021, 9, .	5.1	14
7	Classifying Crystals of Rounded Tetrahedra and Determining Their Order Parameters Using Dimensionality Reduction. <i>ACS Nano</i> , 2020, 14, 15144-15153.	14.6	12
8	The effect of hydrodynamics on the crystal nucleation of nearly hard spheres. <i>Journal of Chemical Physics</i> , 2020, 152, 064903.	3.0	11