

Daphne Klotsa

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,037
citations

623734

14
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

1198
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding shape entropy through local dense packing. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4812-21.	7.1	199
2	Electronic Transport in DNA. Biophysical Journal, 2005, 89, 2187-2198.	0.5	178
3	Emergent Collective Phenomena in a Mixture of Hard Shapes through Active Rotation. Physical Review Letters, 2014, 112, 075701.	7.8	170
4	Clusters of polyhedra in spherical confinement. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E669-78.	7.1	68
5	Shape control and compartmentalization in active colloidal cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4642-50.	7.1	67
6	Digital Alchemy for Materials Design: Colloids and Beyond. ACS Nano, 2015, 9, 9542-9553.	14.6	62
7	As above, so below, and also in between: mesoscale active matter in fluids. Soft Matter, 2019, 15, 8946-8950.	2.7	47
8	Propulsion of a Two-Sphere Swimmer. Physical Review Letters, 2015, 115, 248102.	7.8	44
9	Complexity in Surfaces of Densest Packings for Families of Polyhedra. Physical Review X, 2014, 4, .	8.9	36
10	Predicting the self-assembly of a model colloidal crystal. Soft Matter, 2011, 7, 6294.	2.7	35
11	Active binary mixtures of fast and slow hard spheres. Soft Matter, 2020, 16, 1967-1978.	2.7	29
12	Controlling crystal self-assembly using a real-time feedback scheme. Journal of Chemical Physics, 2013, 138, 094502.	3.0	26
13	Intermediate crystalline structures of colloids in shape space. Soft Matter, 2018, 14, 8692-8697.	2.7	23
14	Transition in swimming direction in a model self-propelled inertial swimmer. Physical Review Fluids, 2019, 4, .	2.5	23
15	Kinematics of a simple reciprocal model swimmer at intermediate Reynolds numbers. Physical Review Fluids, 2020, 5, .	2.5	14
16	Phase behavior and surface tension of soft active Brownian particles. Soft Matter, 2021, 17, 6337-6351.	2.7	8
17	Experiments and Agent Based Models of Zooplankton Movement within Complex Flow Environments. Biomimetics, 2020, 5, 2.	3.3	5
18	Pairwise interactions between model swimmers at intermediate Reynolds numbers. Physical Review Fluids, 2022, 7, .	2.5	3