

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

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all docs

18
docs citations

18
times ranked

1198
citing authors

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