

Greg van Anders

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,112
citations

516710
16
h-index

395702
33
g-index

37
all docs

37
docs citations

37
times ranked

1409
citing authors

#	ARTICLE	IF	CITATIONS
1	Sexual Orientation Across Porn Use, Sexual Fantasy, and In-Person Sexuality: Visualizing Branchedness and Coincidence via Sexual Configurations Theory. Archives of Sexual Behavior, 2022, 51, 1201-1219.	1.9	6
2	Shape and interaction decoupling for colloidal preassembly. Science Advances, 2022, 8, .	10.3	7
3	Particle shape tunes fragility in hard polyhedron glass-formers. Soft Matter, 2021, 17, 600-610.	2.7	2
4	Synthesizable nanoparticle eigenshapes for colloidal crystals. Nanoscale, 2021, 13, 13301-13309.	5.6	0
5	Avoidance, adjacency, and association in distributed systems design. Journal of Physics Complexity, 2021, 2, 025015.	2.2	1
6	Inverse design of compression-induced solid \leftrightarrow solid transitions in colloids. Molecular Simulation, 2020, 46, 1037-1044.	2.0	6
7	Robust design from systems physics. Scientific Reports, 2020, 10, 14334.	3.3	1
8	When does entropy promote local organization?. Soft Matter, 2020, 16, 6523-6531.	2.7	2
9	The entropic bond in colloidal crystals. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16703-16710.	7.1	42
10	Engineering entropy for the inverse design of colloidal crystals from hard shapes. Science Advances, 2019, 5, eaaw0514.	10.3	49
11	FCC \leftrightarrow BCC Phase Transitions in Convex and Concave Hard Particle Systems. Journal of Physical Chemistry B, 2019, 123, 9038-9043.	2.6	10
12	Identity crisis in alchemical space drives the entropic colloidal glass transition. Nature Communications, 2019, 10, 64.	12.8	16
13	Phase behavior and design rules for plastic colloidal crystals of hard polyhedra via consideration of directional entropic forces. Soft Matter, 2019, 15, 5380-5389.	2.7	11
14	Symmetries in hard polygon systems determine plastic colloidal crystal mesophases in two dimensions. Soft Matter, 2019, 15, 2571-2579.	2.7	20
15	Alchemical molecular dynamics for inverse design. Molecular Physics, 2019, 117, 3968-3980.	1.7	8
16	Topological order in densely packed anisotropic colloids. Physical Review E, 2019, 100, 032608.	2.1	3
17	Relevance of packing to colloidal self-assembly. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1439-1444.	7.1	52
18	Statistical physics of design. New Journal of Physics, 2018, 20, 103038.	2.9	3

#	ARTICLE	IF	CITATIONS
19	Pressure-tunable photonic band gaps in an entropic colloidal crystal. Physical Review Materials, 2018, 2, .	2.4	16
20	Shape-driven solidâ€“solid transitions in colloids. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3892-E3899.	7.1	45
21	Biomimetic Hierarchical Assembly of Helical Supraparticles from Chiral Nanoparticles. ACS Nano, 2016, 10, 3248-3256.	14.6	104
22	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
23	Binding kinetics of lock and key colloids. Journal of Chemical Physics, 2015, 142, 174909.	3.0	28
24	Shape allophiles improve entropic assembly. Soft Matter, 2015, 11, 7250-7256.	2.7	18
25	Digital Alchemy for Materials Design: Colloids and Beyond. ACS Nano, 2015, 9, 9542-9553.	14.6	62
26	Self-Assembly of Archimedean Tilings with Enthalpically and Entropically Patchy Polygons. ACS Nano, 2014, 8, 2918-2928.	14.6	76
27	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
28	Entropically Patchy Particles: Engineering Valence through Shape Entropy. ACS Nano, 2014, 8, 931-940.	14.6	175
29	The world's smallest assembly line. Nature Chemistry, 2012, 4, 79-80.	13.6	10
30	First results from lattice simulation of the PWMM. Journal of High Energy Physics, 2010, 2010, 1.	4.7	20
31	Comments on holographic Fermi surfaces. Journal of High Energy Physics, 2009, 2009, 019-019.	4.7	4
32	Coarse-graining the Lin-Maldacena geometries. Journal of High Energy Physics, 2007, 2007, 059-059.	4.7	8
33	Little string theory from double-scaling limits of field theories. Journal of High Energy Physics, 2007, 2007, 031-031.	4.7	7
34	General Lin-Maldacena solutions and PWMM instantons from supergravity. Journal of High Energy Physics, 2007, 2007, 028-028.	4.7	10
35	Little string theory from a double-scaled matrix model. Journal of High Energy Physics, 2006, 2006, 018-018.	4.7	23