

Greg van Anders

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,112
citations

586496

16
h-index

445137

33
g-index

37
all docs

37
docs citations

37
times ranked

1632
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. <i>Archives of Sexual Behavior</i> , 2022, 51, 1201-1219. | 1.2 | 6 |
| 2 | Shape and interaction decoupling for colloidal preassembly. <i>Science Advances</i> , 2022, 8, . | 4.7 | 7 |
| 3 | Particle shape tunes fragility in hard polyhedron glass-formers. <i>Soft Matter</i> , 2021, 17, 600-610. | 1.2 | 2 |
| 4 | Synthesizable nanoparticle eigenshapes for colloidal crystals. <i>Nanoscale</i> , 2021, 13, 13301-13309. | 2.8 | 0 |
| 5 | Avoidance, adjacency, and association in distributed systems design. <i>Journal of Physics Complexity</i> , 2021, 2, 025015. | 0.9 | 1 |
| 6 | Inverse design of compression-induced solid \leftrightarrow solid transitions in colloids. <i>Molecular Simulation</i> , 2020, 46, 1037-1044. | 0.9 | 6 |
| 7 | Robust design from systems physics. <i>Scientific Reports</i> , 2020, 10, 14334. | 1.6 | 1 |
| 8 | When does entropy promote local organization?. <i>Soft Matter</i> , 2020, 16, 6523-6531. | 1.2 | 2 |
| 9 | The entropic bond in colloidal crystals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16703-16710. | 3.3 | 42 |
| 10 | Engineering entropy for the inverse design of colloidal crystals from hard shapes. <i>Science Advances</i> , 2019, 5, eaaw0514. | 4.7 | 49 |
| 11 | FCC \leftrightarrow BCC Phase Transitions in Convex and Concave Hard Particle Systems. <i>Journal of Physical Chemistry B</i> , 2019, 123, 9038-9043. | 1.2 | 10 |
| 12 | Identity crisis in alchemical space drives the entropic colloidal glass transition. <i>Nature Communications</i> , 2019, 10, 64. | 5.8 | 16 |
| 13 | Phase behavior and design rules for plastic colloidal crystals of hard polyhedra via consideration of directional entropic forces. <i>Soft Matter</i> , 2019, 15, 5380-5389. | 1.2 | 11 |
| 14 | Symmetries in hard polygon systems determine plastic colloidal crystal mesophases in two dimensions. <i>Soft Matter</i> , 2019, 15, 2571-2579. | 1.2 | 20 |
| 15 | Alchemical molecular dynamics for inverse design. <i>Molecular Physics</i> , 2019, 117, 3968-3980. | 0.8 | 8 |
| 16 | Topological order in densely packed anisotropic colloids. <i>Physical Review E</i> , 2019, 100, 032608. | 0.8 | 3 |
| 17 | Relevance of packing to colloidal self-assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1439-1444. | 3.3 | 52 |
| 18 | Statistical physics of design. <i>New Journal of Physics</i> , 2018, 20, 103038. | 1.2 | 3 |

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|----|--|-----|-----------|
| 19 | Pressure-tunable photonic band gaps in an entropic colloidal crystal. <i>Physical Review Materials</i> , 2018, 2, . | 0.9 | 16 |
| 20 | Shape-driven solid–solid transitions in colloids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3892-E3899. | 3.3 | 45 |
| 21 | Biomimetic Hierarchical Assembly of Helical Supraparticles from Chiral Nanoparticles. <i>ACS Nano</i> , 2016, 10, 3248-3256. | 7.3 | 104 |
| 22 | 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. | 3.3 | 68 |
| 23 | Binding kinetics of lock and key colloids. <i>Journal of Chemical Physics</i> , 2015, 142, 174909. | 1.2 | 28 |
| 24 | Shape allophiles improve entropic assembly. <i>Soft Matter</i> , 2015, 11, 7250-7256. | 1.2 | 18 |
| 25 | Digital Alchemy for Materials Design: Colloids and Beyond. <i>ACS Nano</i> , 2015, 9, 9542-9553. | 7.3 | 62 |
| 26 | Self-Assembly of Archimedean Tilings with Enthalpically and Entropically Patchy Polygons. <i>ACS Nano</i> , 2014, 8, 2918-2928. | 7.3 | 76 |
| 27 | 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. | 3.3 | 199 |
| 28 | Entropically Patchy Particles: Engineering Valence through Shape Entropy. <i>ACS Nano</i> , 2014, 8, 931-940. | 7.3 | 175 |
| 29 | The world's smallest assembly line. <i>Nature Chemistry</i> , 2012, 4, 79-80. | 6.6 | 10 |
| 30 | First results from lattice simulation of the PWMM. <i>Journal of High Energy Physics</i> , 2010, 2010, 1. | 1.6 | 20 |
| 31 | Comments on holographic Fermi surfaces. <i>Journal of High Energy Physics</i> , 2009, 2009, 019-019. | 1.6 | 4 |
| 32 | Coarse-graining the Lin-Maldacena geometries. <i>Journal of High Energy Physics</i> , 2007, 2007, 059-059. | 1.6 | 8 |
| 33 | Little string theory from double-scaling limits of field theories. <i>Journal of High Energy Physics</i> , 2007, 2007, 031-031. | 1.6 | 7 |
| 34 | General Lin-Maldacena solutions and PWMM instantons from supergravity. <i>Journal of High Energy Physics</i> , 2007, 2007, 028-028. | 1.6 | 10 |
| 35 | Little string theory from a double-scaled matrix model. <i>Journal of High Energy Physics</i> , 2006, 2006, 018-018. | 1.6 | 23 |