

# Giorgio Cinacchi

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

486  
citations

687363

13  
h-index

677142

22  
g-index

30  
all docs

30  
docs citations

30  
times ranked

378  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Phase behavior of hard circular arcs. <i>Physical Review E</i> , 2021, 104, 054604.   | 2.1 | 5         |
| 2  | Dense packings of hard circular arcs. <i>Physical Review E</i> , 2020, 102, 042903.   | 2.1 | 6         |
| 3  | Hard convex lens-shaped particles: Characterization of dense disordered packings. <i>Physical Review E</i> , 2019, 100, 062902.   | 2.1 | 11        |
| 4  | Hard convex lens-shaped particles: metastable, glassy and jammed states. <i>Soft Matter</i> , 2018, 14, 8205-8218.  | 2.7 | 8         |
| 5  | Probing the sensitivity of orientational ordering as a way towards absolute enantiorecognition: Helical-particle solutes in helical-particle nematic solvents. <i>Physical Review E</i> , 2018, 98, . | 2.1 | 2         |
| 6  | Cholesteric and screw-like nematic phases in systems of helical particles. <i>Journal of Chemical Physics</i> , 2017, 147, 224903.  | 3.0 | 14        |
| 7  | Diffusion of helical particles in the screw-like nematic phase. <i>Journal of Chemical Physics</i> , 2016, 145, 134903.   | 3.0 | 7         |
| 8  | Chiral self-assembly of helical particles. <i>Faraday Discussions</i> , 2016, 186, 171-186.   | 3.2 | 30        |
| 9  | Hard convex lens-shaped particles: Densest-known packings and phase behavior. <i>Journal of Chemical Physics</i> , 2015, 143, 224506.   | 3.0 | 19        |
| 10 | Isotropic–Nematic Phase Transition in Hard Platelets as Described by a Third-Virial Theory. <i>Journal of Physical Chemistry B</i> , 2015, 119, 5671-5676.  | 2.6 | 7         |
| 11 | The isotropic–nematic phase transition in hard, slightly curved, lens-like particles. <i>Journal of Chemical Physics</i> , 2014, 141, 154901.   | 3.0 | 9         |
| 12 | Communication: From rods to helices: Evidence of a screw-like nematic phase. <i>Journal of Chemical Physics</i> , 2014, 140, 081101.  | 3.0 | 34        |
| 13 | Left or right cholesterics? A matter of helix handedness and curliness. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 16225-16232.   | 2.8 | 30        |
| 14 | Self-assembly of hard helices: a rich and unconventional polymorphism. <i>Soft Matter</i> , 2014, 10, 8171-8187.  | 2.7 | 37        |
| 15 | The isotropic-to-nematic phase transition in hard helices: Theory and simulation. <i>Journal of Chemical Physics</i> , 2013, 138, 164906.   | 3.0 | 29        |
| 16 | Phase behavior of hard spherical caps. <i>Journal of Chemical Physics</i> , 2013, 139, 124908.  | 3.0 | 13        |
| 17 | Smectic order parameters via liquid crystal NMR spectroscopy: Application to a partial bilayer smectic A phase. <i>European Physical Journal E</i> , 2012, 35, 112.                                   | 1.6 | 14        |
| 18 | Rigid probe solutes in a smectic-liquid crystal: An unconventional route to the latter's positional order parameters. <i>Physical Review E</i> , 2011, 84, 061703.                                    | 2.1 | 6         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Conformational Analysis of 2,2'-Bithiophene Revisited: The Maximum Entropy Method Applied to Large Sets of $^1\text{H}$ and $^{13}\text{C}$ Partially Averaged Dipolar Couplings. <i>Journal of Physical Chemistry A</i> , 2010, 114, 8114-8118. | 2.5 | 4         |
| 20 | Phase Behavior of Contact Lens-Like Particles: Entropy-Driven Competition between Isotropic-Nematic Phase Separation and Clustering. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 787-791.  | 4.6 | 22        |
| 21 | Mechanism of diffusion in the smectic- $A$ phase of wormlike rods studied by computer simulation. <i>Physical Review E</i> , 2009, 79, 011706.   | 2.1 | 17        |
| 22 | Two-Step Mechanism of Rotational Relaxation in Lamellar Phases of Rods: Accelerating Effect of the Addition of Spheres. <i>Physical Review Letters</i> , 2009, 103, 257801.  | 7.8 | 8         |
| 23 | Diffusivity of wormlike particles in isotropic melts and the influence of local nematization. <i>Journal of Chemical Physics</i> , 2009, 130, 144905.  | 3.0 | 2         |
| 24 | Diffusion in the lamellar phase of a rod-sphere mixture. <i>Journal of Chemical Physics</i> , 2009, 131, 104908.   | 3.0 | 6         |
| 25 | Solvent smectic order parameters from solute nematic order parameters. <i>Journal of Chemical Physics</i> , 2008, 129, 094509.   | 3.0 | 9         |
| 26 | Phase behavior of wormlike rods. <i>Physical Review E</i> , 2008, 77, 051705.  | 2.1 | 24        |
| 27 | Smectic order parameters from diffusion data. <i>Journal of Chemical Physics</i> , 2006, 125, 164912.  | 3.0 | 37        |
| 28 | Ordering of biaxial solutes in a smectic solvent. <i>Chemical Physics Letters</i> , 2005, 416, 238-245.  | 2.6 | 13        |
| 29 | Liquid-crystal phase diagrams of binary mixtures of hard spherocylinders. <i>Journal of Chemical Physics</i> , 2004, 121, 3854-3863.   | 3.0 | 61        |