

# Giorgio Cinacchi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5959288/publications.pdf>

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	Liquidâ€“crystal phase diagrams of binary mixtures of hard spherocylinders. Journal of Chemical Physics, 2004, 121, 3854-3863.	3.0	61
2	Smectic order parameters from diffusion data. Journal of Chemical Physics, 2006, 125, 164912.	3.0	37
3	Self-assembly of hard helices: a rich and unconventional polymorphism. Soft Matter, 2014, 10, 8171-8187.	2.7	37
4	Communication: From rods to helices: Evidence of a screw-like nematic phase. Journal of Chemical Physics, 2014, 140, 081101.	3.0	34
5	Left or right cholesterics? A matter of helix handedness and curliness. Physical Chemistry Chemical Physics, 2014, 16, 16225-16232.	2.8	30
6	Chiral self-assembly of helical particles. Faraday Discussions, 2016, 186, 171-186.	3.2	30
7	The isotropic-to-nematic phase transition in hard helices: Theory and simulation. Journal of Chemical Physics, 2013, 138, 164906.	3.0	29
8	Phase behavior of wormlike rods. Physical Review E, 2008, 77, 051705.	2.1	24
9	Phase Behavior of Contact Lens-Like Particles: Entropy-Driven Competition between Isotropicâˆ“Nematic Phase Separation and Clustering. Journal of Physical Chemistry Letters, 2010, 1, 787-791.	4.6	22
10	Hard convex lens-shaped particles: Densest-known packings and phase behavior. Journal of Chemical Physics, 2015, 143, 224506.	3.0	19
11	Mechanism of diffusion in the smectic- $A$ phase of wormlike rods studied by computer simulation. Physical Review E, 2009, 79, 011706.	2.1	17
12	Smectic order parameters via liquid crystal NMR spectroscopy: Application to a partial bilayer smectic A phase. European Physical Journal E, 2012, 35, 112.	1.6	14
13	Cholesteric and screw-like nematic phases in systems of helical particles. Journal of Chemical Physics, 2017, 147, 224903.	3.0	14
14	Ordering of biaxial solutes in a smectic solvent. Chemical Physics Letters, 2005, 416, 238-245.	2.6	13
15	Phase behavior of hard spherical caps. Journal of Chemical Physics, 2013, 139, 124908.	3.0	13
16	Hard convex lens-shaped particles: Characterization of dense disordered packings. Physical Review E, 2019, 100, 062902.	2.1	11
17	Solvent smectic order parameters from solute nematic order parameters. Journal of Chemical Physics, 2008, 129, 094509.	3.0	9
18	The isotropicâ€“nematic phase transition in hard, slightly curved, lens-like particles. Journal of Chemical Physics, 2014, 141, 154901.	3.0	9

#	ARTICLE	IF	CITATIONS
19	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
20	Hard convex lens-shaped particles: metastable, glassy and jammed states. <i>Soft Matter</i> , 2018, 14, 8205-8218.	2.7	8
21	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
22	Diffusion of helical particles in the screw-like nematic phase. <i>Journal of Chemical Physics</i> , 2016, 145, 134903.	3.0	7
23	Diffusion in the lamellar phase of a rod-sphere mixture. <i>Journal of Chemical Physics</i> , 2009, 131, 104908.	3.0	6
24	Rigid probe solutes in a smectic-A liquid crystal: An unconventional route to the latter's positional order parameters. <i>Physical Review E</i> , 2011, 84, 061703.	2.1	6
25	Dense packings of hard circular arcs. <i>Physical Review E</i> , 2020, 102, 042903.	2.1	6
26	Phase behavior of hard circular arcs. <i>Physical Review E</i> , 2021, 104, 054604.	2.1	5
27	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
28	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
29	Probing the sensitivity of orientational ordering as a way towards absolute enantio-recognition: Helical-particle solutes in helical-particle nematic solvents. <i>Physical Review E</i> , 2018, 98, .	2.1	2