Margarida Telo da Gama

List of Publications by Year
in descending order

162 papers	4,364 citations	87888 38 h-index	138484 58 g-index
165 all docs	165 docs citations	165 times ranked	1971 citing authors

#	Article	IF	Citations
1	Dynamics of flowing 2D skyrmions. Journal of Physics Condensed Matter, 2022, 34, 034001.	1.8	5
2	Cell motility in confluent tissues induced by substrate disorder. Physical Review Research, 2022, 4, .	3.6	1
3	Hierarchical structure of the energy landscape in the Voronoi model of dense tissue. Physical Review Research, 2022, 4, .	3.6	3
4	Phase behavior of a binary mixture of patchy colloids: Effect of particle size and gravity. Journal of Chemical Physics, 2021, 155, 044903.	3.0	12
5	Director alignment at the nematicâ€“isotropic interface: elastic anisotropy and active anchoring. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200394.	3.4	9
6	Smoluchowski equations for linker-mediated irreversible aggregation. Soft Matter, 2020, 16, 7513-7523.	2.7	6
7	Modeling of Cell-Mediated Self-Assembled Colloidal Scaffolds. ACS Applied Materials & Interfaces, 2020, 12, 48321-48328.	8.0	10
8	Propagation of active nematicâ€“isotropic interfaces on substrates. Soft Matter, 2020, 16, 4256-4266.	2.7	14
9	Ordering of binary colloidal crystals by random potentials. Soft Matter, 2020, 16, 4267-4273.	2.7	8
10	Wetting of Nematic Liquid Crystals on Crenellated Substrates: A Frankâ€“Oseen Approach. Crystals, 2019, 9, 430.	2.2	1
11	Active nematicâ€“isotropic interfaces in channels. Soft Matter, 2019, 15, 6819-6829.	2.7	12
12	Optimal number of linkers per monomer in linker-mediated aggregation. Soft Matter, 2019, 15, 3712-3718.	2.7	5
13	Interaction anisotropy and the KPZ to KPZQ transition in particle deposition at the edges of drying drops. Soft Matter, 2018, 14, 1903-1907.	2.7	10
14	Annealing cycles and the self-organization of functionalized colloids. Journal of Physics Condensed Matter, 2018, 30, 014001.	1.8	0
15	Dynamics of Patchy Particles in and out of Equilibrium. Journal of Physical Chemistry B, 2018, 122, 3514-3518.	2.6	10
16	Dynamics of a network fluid within the liquidâ€“gas coexistence region. Soft Matter, 2018, 14, 2744-2750.	2.7	4
17	Crossover from three- to six-fold symmetry of colloidal aggregates in circular traps. Soft Matter, 2018, 14, 9411-9417.	2.7	0
18	Field-driven dynamical demixing of binary mixtures. Molecular Physics, 2018, 116, 3224-3230.	1.7	6

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19	Nematic liquid crystals on sinusoidal channels: the zigzag instability. Journal of Physics Condensed Matter, 2017, 29, 014004.	1.8	2
20	Nematic films at chemically structured surfaces. Journal of Physics Condensed Matter, 2017, 29, 074002.	1.8	0
21	Nonequilibrium self-organization of colloidal particles on substrates: adsorption, relaxation, and annealing. Journal of Physics Condensed Matter, 2017, 29, 014001.	1.8	6
22	Effect of curvature on cholesteric liquid crystals in toroidal geometries. Physical Review E, 2017, 95, 012702.	2.1	7
23	Pattern-induced anchoring transitions in nematic liquid crystals. Journal of Physics Condensed Matter, 2017, 29, 064002.	1.8	4
24	Dynamic Design of Spatial Patterns of Colloidal Suspensions. Langmuir, 2017, 33, 11698-11702.	3.5	2
25	Demixing of active particles in the presence of external fields. Journal of Chemical Physics, 2017, 147, 174702.	3.0	15
26	Dynamics of network fluids. Advances in Colloid and Interface Science, 2017, 247, 258-263.	14.7	24
27	Temperature (de)activated patchy colloidal particles. Journal of Physics Condensed Matter, 2016, 28, 244008.	1.8	6
28	Percolation in binary and ternary mixtures of patchy colloids. Journal of Chemical Physics, 2016, 145, 074903.	3.0	18
29	Self-assembly of colloidal bands driven by a periodic external field. Journal of Chemical Physics, 2016, 144, 034902.	3.0	6
30	Wetting of cholesteric liquid crystals. European Physical Journal E, 2016, 39, 13.	1.6	6
31	Relaxation dynamics of functionalized colloids on attractive substrates. Soft Matter, 2016, 12, 1550-1557.	2.7	14
32	Nematic droplets on fibers. Physical Review E, 2015, 92, 062507.	2.1	3
33	The Ninth Liquid Matter Conference. Journal of Physics Condensed Matter, 2015, 27, 190301.	1.8	0
34	The Ninth Liquid Matter Conference. Journal of Physics Condensed Matter, 2015, 27, 190302.	1.8	0
35	The effect of anchoring on the nematic flow in channels. Soft Matter, 2015, 11, 4674-4685.	2.7	34
36	Kinetic interfaces of patchy particles. Journal of Physics Condensed Matter, 2015, 27, 194123.	1.8	11

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37	Effect of the number of patches on the growth of networks of patchy colloids on substrates. Molecular Physics, 2015, 113, 1069-1075.	1.7	13
38	Generalization of Wertheim's theory for the assembly of various types of rings. Soft Matter, 2015, 11, 5828-5838.	2.7	12
39	Kinetic roughening of aggregates of patchy colloids with strong and weak bonds. Europhysics Letters, 2014, 107, 56002.	2.0	14
40	Three-dimensional patchy lattice model: Ring formation and phase separation. Journal of Chemical Physics, 2014, 140, 044905.	3.0	23
41	Adsorbed films of three-patch colloids: Continuous and discontinuous transitions between thick and thin films. Physical Review E, 2014, 90, 032302.	2.1	12
42	Structure of the cholestericâ€“isotropic interface. Soft Matter, 2014, 10, 9399-9402.	2.7	12
43	Particle selection through topographic templates in nematic colloids. Soft Matter, 2014, 10, 9681-9687.	2.7	17
44	Bonded Boojum-Colloids in Nematic Liquid Crystals. Langmuir, 2013, 29, 10360-10367.	3.5	12
45	Interfacial motion in flexo- and order-electric switching between nematic filled states. Journal of Physics Condensed Matter, 2013, 25, 245103.	1.8	7
46	Classical density functional theory for associating fluids in orienting external fields. Physical Review E, 2013, 88, 060301.	2.1	7
47	Non-equilibrium adsorption of 2AnB patchy colloids on substrates. Soft Matter, 2013, 9, 5616.	2.7	19
48	Computing the phase diagram of binary mixtures: A patchy particle case study. Journal of Chemical Physics, 2013, 138, 164904.	3.0	27
49	Mixtures of functionalized colloids on substrates. Journal of Chemical Physics, 2013, 139, 154903.	3.0	16
50	Nonequilibrium growth of patchy-colloid networks on substrates. Physical Review E, 2013, 87, .	2.1	23
51	Three-dimensional patchy lattice model for empty fluids. Journal of Chemical Physics, 2012, 137, 244902.	3.0	15
52	The nature of the ordered phase of the confined self-assembled rigid rod model. Journal of Chemical Physics, 2012, 137, 074901.	3.0	1
53	Properties of patchy colloidal particles close to a surface: A Monte Carlo and density functional study. Journal of Chemical Physics, 2012, 137, 084704.	3.0	27
54	Reply to â€œComment on â€˜Effect of polydispersity on the ordering transition of adsorbed self-assembled rigid rodsâ€™â€‰â€•. Physical Review E, 2012, 85, .	2.1	9

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55	Nematic wetting and filling of crenellated surfaces. Physical Review E, 2012, 86, 011703.	2.1	15
56	Reentrant Wetting of Network Fluids. Physical Review Letters, 2012, 109, 116103.	7.8	19
57	Bicontinuous and mixed gels in binary mixtures of patchy colloidal particles. Soft Matter, 2012, 8, 1785.	2.7	41
58	Interactions of distinct quadrupolar nematic colloids. Soft Matter, 2012, 8, 10100.	2.7	15
59	Liquid crystal boojum-colloids. New Journal of Physics, 2012, 14, 073030.	2.9	68
60	Phase diagrams of binary mixtures of patchy colloids with distinct numbers of patches: the network fluid regime. Soft Matter, 2011, 7, 5615.	2.7	70
61	Re-entrant phase behaviour of network fluids: A patchy particle model with temperature-dependent valence. Journal of Chemical Physics, 2011, 135, 034501.	3.0	72
62	Complex fluids at complex surfaces: simply complicated?. Molecular Physics, 2011, 109, 1067-1075.	1.7	21
63	Phase diagrams of binary mixtures of patchy colloids with distinct numbers and types of patches: The empty fluid regime. Journal of Chemical Physics, 2011, 134, 104904.	3.0	42
64	Reentrant Phase Diagram of Network Fluids. Physical Review Letters, 2011, 106, 085703.	7.8	104
65	Communication: The criticality of self-assembled rigid rods on triangular lattices. Journal of Chemical Physics, 2011, 134, 071101.	3.0	13
66	The condensation and ordering of models of empty liquids. Journal of Chemical Physics, 2011, 135, 174903.	3.0	15
67	Percolation of colloids with distinct interaction sites. Physical Review E, 2010, 81, 010501.	2.1	28
68	Equilibrium self-assembly of colloids with distinct interaction sites: Thermodynamics, percolation, and cluster distribution functions. Journal of Chemical Physics, 2010, 132, 234502.	3.0	50
69	Effect of polydispersity on the ordering transition of adsorbed self-assembled rigid rods. Physical Review E, 2010, 82, 061117.	2.1	16
70	Structure and phase diagram of self-assembled rigid rods: Equilibrium polydispersity and nematic ordering in two dimensions. Physical Review E, 2009, 79, 021505.	2.1	24
71	Modeling dipolar and quadrupolar defect structures generated by chiral islands in freely suspended liquid crystal films. Physical Review E, 2009, 80, 041708.	2.1	17
72	Criticality of colloids with distinct interaction patches: The limits of linear chains, hyperbranched polymers, and dimers. Physical Review E, 2009, 80, 021506.	2.1	54

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73	How patchy can one get and still condense? The role of dissimilar patches in the interactions of colloidal particles. Molecular Physics, 2009, 107, 453-466.	1.7	48
74	Stochastic fluctuations in epidemics on networks. Journal of the Royal Society Interface, 2008, 5, 555-566.	3.4	57
75	Interactions between Circular Inclusions in Smectic-CFilms with Planar Anchoring. Molecular Crystals and Liquid Crystals, 2008, 495, 266/[618]-273/[625].	0.9	2
76	Coherence thresholds in models of language change and evolution: The effects of noise, dynamics, and network of interactions. Physical Review E, 2008, 77, 046108.	2.1	5
77	Pathways to folding, nucleation events, and native geometry. Journal of Chemical Physics, 2007, 127, 145106.	3.0	11
78	Nucleation phenomena in protein folding: the modulating role of protein sequence. Journal of Physics Condensed Matter, 2007, 19, 285212.	1.8	5
79	Localized contacts between hosts reduce pathogen diversity. Journal of Theoretical Biology, 2006, 241, 477-487.	1.7	10
80	Pair approximation models for disease spread. European Physical Journal B, 2006, 50, 177-181.	1.5	18
81	Epidemics in small world networks. European Physical Journal B, 2006, 50, 205-208.	1.5	37
82	Phase transition in two-dimensional dipolar fluids at low densities. Physical Review E, 2006, 73, 041507.	2.1	39
83	Kardar-Parisi-Zhang interfaces bounded by long-ranged potentials. Physical Review E, 2006, 74, 011121.	2.1	2
84	Recurrent epidemics in small world networks. Journal of Theoretical Biology, 2005, 233, 553-561.	1.7	72
85	Native geometry and the dynamics of protein folding. Biophysical Chemistry, 2005, 115, 169-175.	2.8	14
86	Generic two-phase coexistence in nonequilibrium systems. European Physical Journal B, 2005, 43, 73-79.	1.5	19
87	The GÅ•model revisited: Native structure and the geometric coupling between local and long-range contacts. Proteins: Structure, Function and Bioinformatics, 2005, 60, 712-722.	2.6	13
88	Folding of small proteins: a matter of geometry?. Molecular Physics, 2005, 103, 2903-2910.	1.7	1
89	Diffusion-limited deposition of dipolar particles. Physical Review E, 2004, 69, 061406.	2.1	4
90	Colloidal discs in nematic liquid crystals. Journal of Physics Condensed Matter, 2004, 16, S1921-S1930.	1.8	9

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91	Interaction of colloids with a nematic-isotropic interface. Physical Review E, 2004, 69, 021706.	2.1	33
92	Key-lock mechanism in nematic colloidal dispersions. Physical Review E, 2004, 69, 061402.	2.1	20
93	Folding and form: Insights from lattice simulations. Physical Review E, 2004, 69, 051917.	2.1	17
94	Nonequilibrium wetting transitions with short range forces. Physical Review E, 2003, 67, 021607.	2.1	29
95	Orientational order in deposits of magnetic particles. Molecular Physics, 2003, 101, 1659-1666.	1.7	1
96	What Controls the Thickness of Wetting Layers near Bulk Criticality?. Physical Review Letters, 2002, 89, 096101.	7.8	14
97	Quasi-two-dimensional dipolar fluid at low densities: Monte Carlo simulations and theory. Physical Review E, 2002, 65, 061201.	2.1	91
98	Geometrically-Controlled Twist Transitions in Nematic Cells. Physical Review Letters, 2002, 88, 245502.	7.8	27
99	Lamellar phases confined in quasicylindrical pores: Lattice model results. Physical Review E, 2002, 65, 031707.	2.1	1
100	Structural and conformational properties of a quasi-two-dimensional dipolar fluid. Journal of Physics Condensed Matter, 2002, 14, 9171-9186.	1.8	36
101	Orientation and association at the liquidÂvapour interface of dipolar fluids. Journal of Physics Condensed Matter, 2002, 14, 12159-12165.	1.8	4
102	Stochastic theory of non-equilibrium wetting. Europhysics Letters, 2002, 57, 803-809.	2.0	20
103	Colloidal interactions in two-dimensional nematics. European Physical Journal E, 2002, 9, 341-347.	1.6	57
104	Density functional theory of long-range critical wetting. Physical Review E, 2000, 62, 6571-6576.	2.1	8
105	Strongly dipolar fluids at low densities. Journal of Physics Condensed Matter, 2000, 12, A471-A476.	1.8	3
106	The effect of dipolar forces on the structure and thermodynamics of classical fluids. Journal of Physics Condensed Matter, 2000, 12, R411-R434.	1.8	165
107	Strongly dipolar fluids: a theoretical and computational challenge. Computer Physics Communications, 1999, 121-122, 256-258.	7.5	1
108	Strongly dipolar fluids at low densities compared to living polymers. Physical Review E, 1999, 59, 4388-4395.	2.1	104

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109	Crossover scales at the critical points of fluids with electrostatic interactions. Journal of Chemical Physics, 1999, 110, 10058-10066.	3.0	31
110	Structure of droplet microemulsions in the semi-dilute regime. Journal of Chemical Physics, 1999, 111, 7646-7651.	3.0	2
111	Scaling of the interfacial tension of microemulsions: A Landau theory approach. Journal of Chemical Physics, 1998, 108, 4189-4198.	3.0	31
112	Asymmetric water-oil-amphiphile mixtures: Lamellar phases and droplet microemulsions. Journal of Chemical Physics, 1998, 109, 1152-1161.	3.0	18
113	Phase diagrams of aligned dipolar hard rods. Physical Review E, 1998, 57, 1752-1760.	2.1	21
114	Stability of the order-order critical points of Heisenberg and nematic model fluids. Physical Review E, 1998, 58, 3175-3186.	2.1	7
115	Density-functional approach to the theory of dipolar fluids. Journal of Physics A, 1997, 30, 1953-1965.	1.6	24
116	Phase equilibria of model ternary mixtures: Theory and computer simulation. Journal of Chemical Physics, 1997, 107, 6366-6378.	3.0	14
117	Phase diagram of Heisenberg fluids: Computer simulation and density functional theory. Physical Review E, 1997, 55, 436-446.	2.1	46
118	Criticality of dipolar fluids: Liquid-vapor condensation versus phase separation in systems of living polymers. Physical Review E, 1997, 56, R6252-R6255.	2.1	64
119	Phase diagrams and interfacial properties of nematic liquid crystals. Physica A: Statistical Mechanics and Its Applications, 1997, 244, 389-401.	2.6	5
120	Structure of strongly dipolar fluids at low densities. Physical Review E, 1996, 54, 2597-2609.	2.1	125
121	Scaling of the interfacial tension of microemulsions: A phenomenological description. Journal of Chemical Physics, 1996, 105, 2875-2883.	3.0	52
122	Wetting and interfacial order at nematic free surfaces. Europhysics Letters, 1996, 35, 189-194.	2.0	13
123	Surface-induced alignment at model nematic interfaces. Physical Review E, 1995, 52, 5028-5039.	2.1	40
124	Liquidâ€“liquid phase equilibria of symmetrical mixtures by simulation in the semigrand canonical ensemble. Journal of Chemical Physics, 1995, 103, 6188-6196.	3.0	54
125	A model nematic liquid crystal revisited: some new phase diagrams from density-functional theory. Molecular Physics, 1995, 86, 1537-1543.	1.7	8
126	Phase diagram and critical behavior of the ferromagnetic Heisenberg fluid from density-functional theory. Physical Review E, 1995, 52, 1915-1929.	2.1	80

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127	Singularities in the consistent hypernetted chain approximation. Journal of Chemical Physics, 1994, 101, 594-602.	3.0	34
128	Thermodynamic consistency in the hypernetted chain theory. Journal of Chemical Physics, 1993, 98, 1534-1538.	3.0	27
129	A model for two dimensional orientational order. Physica A: Statistical Mechanics and Its Applications, 1992, 180, 263-278.	2.6	8
130	Fluid interfacial phenomena. Physica Scripta, 1991, T35, 79-81.	2.5	10
131	Global phase diagram of a confined uniaxial nematic. Physica A: Statistical Mechanics and Its Applications, 1991, 179, 179-198.	2.6	6
132	Phase transitions in liquid crystal films. Physica A: Statistical Mechanics and Its Applications, 1991, 172, 219-224.	2.6	6
133	Crossover between complete wetting and critical adsorption. Physica A: Statistical Mechanics and Its Applications, 1991, 171, 69-79.	2.6	6
134	Density-functional theory for the interfacial properties of a dipolar fluid. Journal of Physics Condensed Matter, 1991, 3, 111-125.	1.8	76
135	The hard ellipse liquid: An integral equation study. Journal of Chemical Physics, 1991, 95, 7591-7602.	3.0	26
136	The structure of molten CsAu: ab initio and Monte Carlo study. Journal of Physics Condensed Matter, 1991, 3, 5615-5620.	1.8	7
137	Interfacial phase transitions. Journal of Physics Condensed Matter, 1990, 2, SA417-SA420.	1.8	0
138	First-order and continuous transitions in confined liquid crystals. Physical Review A, 1990, 41, 1149-1152.	2.5	29
139	The effect of confinement on the isotropic-nematic transition. Molecular Physics, 1990, 71, 801-821.	1.7	40
140	Wall-induced order of a liquid crystal. Physical Review Letters, 1987, 59, 154-154.	7.8	9
141	Equilibrium structure of liquid wetting layers. Journal of Chemical Physics, 1987, 86, 1521-1532.	3.0	6
142	Phase equilibria and interfacial properties of model ternary mixtures. Molecular Physics, 1987, 62, 585-604.	1.7	12
143	Interfacial phase transitions in molecular fluids and multicomponent mixtures. Journal of the Chemical Society, Faraday Transactions 2, 1986, 82, 1721.	1.1	15
144	Adsorption and orientation of amphiphilic molecules at a liquid-liquid interface. Molecular Physics, 1986, 59, 227-239.	1.7	83

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145	A microscopic theory for spherical interfaces: Liquid drops in the canonical ensemble. Journal of Chemical Physics, 1986, 85, 490-499.	3.0	81
146	The liquid-vapour interface of simple models of nematic liquid crystals. Molecular Physics, 1985, 54, 321-332.	1.7	59
147	The form of the density profile at a liquid-gas interface. Molecular Physics, 1985, 55, 1319-1338.	1.7	116
148	The vapour-liquid interface for a Lennard-Jones model of argon-krypton mixtures. Molecular Physics, 1984, 53, 1113-1130.	1.7	90
149	The interfacial properties of a model of a nematic liquid crystal. Molecular Physics, 1984, 52, 611-630.	1.7	81
150	The surface tension of non-critical interfaces near critical end points. Molecular Physics, 1984, 52, 573-583.	1.7	7
151	The interfacial properties of a model of a nematic liquid crystal. Molecular Physics, 1984, 52, 585-610.	1.7	129
152	The structure and surface tension of the liquid-vapour interface near the upper critical end point of a binary mixture of Lennard-Jones fluids. Molecular Physics, 1983, 48, 251-266.	1.7	41
153	Adsorption and wetting transitions at a model of the interface between a solid and a binary fluid mixture. Molecular Physics, 1983, 48, 687-714.	1.7	53
154	Wetting transitions at fluid-fluid interfaces. Molecular Physics, 1983, 49, 283-300.	1.7	66
155	The structure and surface tension of the liquid-vapour interface near the upper critical end point of a binary mixture of Lennard-Jones fluids. Molecular Physics, 1983, 48, 229-250.	1.7	111
156	Wetting transitions at fluid-fluid interfaces. Molecular Physics, 1983, 49, 301-314.	1.7	36
157	Surface segregation and surface tension at the liquidâ€“vapour interface of a binary mixture of Lennard-Jones fluids. Faraday Symposia of the Chemical Society, 1981, 16, 45-58.	0.5	20
158	Structural evidence that molten CsAu is ionic. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1980, 41, 351-356.	0.6	28
159	Theory of the liquid-vapour interface of a binary mixture of Lennard-Jones fluids. Molecular Physics, 1980, 41, 1091-1112.	1.7	64
160	The structure and surface tension of the liquid-vapour interface of a model of a molten salt. Molecular Physics, 1980, 41, 1355-1372.	1.7	46
161	Spinodal decomposition in a Lennard-Jones fluid. Molecular Physics, 1979, 38, 687-698.	1.7	22
162	The density profile and surface tension of a Lennard-Jones fluid from a generalized van der Waals theory. Molecular Physics, 1979, 38, 367-375.	1.7	49