Teresa Lopez-Leon

List of Publications by Year
in descending order

28 papers	1,291 citations	394421 19 h-index	501196 28 g-index
28 all docs	28 docs citations	28 times ranked	1245 citing authors

#	Article	IF	Citations
1	Drops and shells of liquid crystal. Colloid and Polymer Science, 2011, 289, 345-359.	2.1	189
2	Hofmeister Effects in Colloidal Systems: Influence of the Surface Nature. Journal of Physical Chemistry C, 2008, 112, 16060-16069.	3.1	141
3	Hofmeister Effects in the Stability and Electrophoretic Mobility of Polystyrene Latex Particles. Journal of Physical Chemistry B, 2003, 107, 5696-5708.	2.6	122
4	Cationic and Anionic Poly(N-isopropylacrylamide) Based Submicron Gel Particles:Â Electrokinetic Properties and Colloidal Stability. Journal of Physical Chemistry B, 2006, 110, 4629-4636.	2.6	113
5	Nematic-Smectic Transition in Spherical Shells. Physical Review Letters, 2011, 106, 247802.	7.8	104
6	Hofmeister Effects on Poly(NIPAM) Microgel Particles: Macroscopic Evidence of Ion Adsorption and Changes in Water Structure. ChemPhysChem, 2007, 8, 148-156.	2.1	60
7	Reconfigurable flows and defect landscape of confined active nematics. Communications Physics, 2019, 2, .	5.3	60
8	Defect trajectories in nematic shells: Role of elastic anisotropy and thickness heterogeneity. Physical Review E, 2012, 86, 020705.	2.1	50
9	Topological defects in cholesteric liquid crystal shells. Soft Matter, 2016, 12, 9280-9288.	2.7	45
10	Waltzing route toward double-helix formation in cholesteric shells. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9469-9474.	7.1	42
11	Microparticles confined to a nematic liquid crystal shell. Soft Matter, 2013, 9, 6911.	2.7	41
12	Ionâ€Specific Aggregation of Hydrophobic Particles. ChemPhysChem, 2012, 13, 2382-2391.	2.1	38
13	Bivalent defect configurations in inhomogeneous nematic shells. Soft Matter, 2013, 9, 4993.	2.7	34
14	Thermally sensitive reversible microgels formed by poly(N-Isopropylacrylamide) charged chains: A Hofmeister effect study. Journal of Colloid and Interface Science, 2014, 426, 300-307.	9.4	33
15	Change in Stripes for Cholesteric Shells via Anchoring in Moderation. Physical Review X, 2017, 7, .	8.9	29
16	Defect coalescence in spherical nematic shells. Physical Review E, 2012, 86, 030702.	2.1	25
17	Active microfluidic transport in two-dimensional handlebodies. Soft Matter, 2020, 16, 9230-9241.	2.7	23
18	Salt Effects in the Cononsolvency of Poly(Nâ€isopropylacrylamide) Microgels. ChemPhysChem, 2010, 11, 188-194.	2.1	21

#	Article	IF	Citations
19	Spherical nematic shells with a threefold valence. Physical Review E, 2016, 94, 012703.	2.1	21
20	Topological solitons, cholesteric fingers and singular defect lines in Janus liquid crystal shells. Soft Matter, 2020, 16, 2669-2682.	2.7	20
21	Temperature-Driven Anchoring Transitions at Liquid Crystal/Water Interfaces. Langmuir, 2020, 36, 9368-9376.	3.5	19
22	Elastic interactions between topological defects in chiral nematic shells. Physical Review E, 2016, 94, 062701.	2.1	14
23	Threading the Spindle: A Geometric Study of Chiral Liquid Crystal Polymer Microparticles. Physical Review Letters, 2019, 123, 157801.	7.8	14
24	Smectic shells. Journal of Physics Condensed Matter, 2012, 24, 284122.	1.8	13
25	Ion-induced reversibility in the aggregation of hydrophobic colloids. Soft Matter, 2010, 6, 1114.	2.7	12
26	Structural transformations in tetravalent nematic shells induced by a magnetic field. Soft Matter, 2020, 16, 8169-8178.	2.7	5
27	From nematic shells to nematic droplets: energetics and defect transitions. Soft Matter, 2022, , .	2.7	2
28	Switchable Lasing: Selfâ€Regulated Smectic Emulsion with Switchable Lasing Application (Small 49/2019). Small, 2019, 15, 1970268.	10.0	1