Catarina R Leal

List of Publications by Year
in descending order

26 papers	522 citations	1040056 9 h-index	642732 23 g-index
26 all docs	26 docs citations	26 times ranked	845 citing authors

#	Article	IF	Citations
1	Bacterial cellulose: a versatile biopolymer for wound dressing applications. Microbial Biotechnology, 2019, 12, 586-610.	4.2	341
2	Electro-rheology study of a series of liquid crystal cyanobiphenyls: experimental and theoretical treatment. Liquid Crystals, 2012, 39, 25-37.	2.2	29
3	Reversible Photorheology in Solutions of Cetyltrimethylammonium Bromide, Salicylic Acid, and trans-2,4,4â€²-Trihydroxychalcone. Langmuir, 2010, 26, 16715-16721.	3.5	21
4	Living bacteria rheology: Population growth, aggregation patterns, and collective behavior under different shear flows. Physical Review E, 2014, 90, 022720.	2.1	13
5	Real-time rheology of actively growing bacteria. Physical Review E, 2013, 87, .	2.1	12
6	The first normal stress difference and viscosity in shear of liquid crystalline solutions of hydroxypropylcellulose: new experimental data and theory. Polymers for Advanced Technologies, 1994, 5, 596-599.	3.2	11
7	Rheological Properties of Acetoxypropylcellulose in the Thermotropic Chiral Nematic Phase. Molecular Crystals and Liquid Crystals, 1995, 261, 617-625.	0.3	10
8	NMR Study of Flow and Viscoelastic Properties of PBLG/m-Cresol Lyotropic Liquid Crystal. Molecular Crystals and Liquid Crystals, 1999, 331, 499-507.	0.3	10
9	An electro-rheological study of the nematic liquid crystal 4-n-heptyl-4â€²-cyanobiphenyl. Liquid Crystals, 2010, 37, 1305-1311.	2.2	10
10	Influence of type of compatibilizer on the rheological and mechanical behavior of LCP/TP blends under different stationary and nonstationary shear conditions. Journal of Applied Polymer Science, 2005, 98, 694-703.	2.6	8
11	Rheology of the cytoskeleton as a fractal network. Physical Review E, 2015, 92, 040702.	2.1	7
12	Optimisation of Rodrun LC3000/PP Compatibilised Blends: Influence of the Compatibiliser and LCP Contents on the Rheological, Morphological and Mechanical Properties. Journal of Polymer Engineering, 2006, 26, .	1.4	6
13	Electrorheological characterization of dispersions in silicone oil of encapsulated liquid crystal 4-n-penthyl-4â€²-cyanobiphenyl in polyvinyl alcohol and in silica. Physica Scripta, 2015, 90, 035802.	2.5	6
14	Rotational tumbling of Escherichia coli aggregates under shear. Physical Review E, 2016, 94, 062402.	2.1	6
15	Motility and cell shape roles in the rheology of growing bacteria cultures. European Physical Journal E, 2019, 42, 26.	1.6	6
16	Influence of processing conditions on the morphological and mechanical properties of compatibilized PP/LCP blends. Journal of Applied Polymer Science, 2007, 105, 1521-1532.	2.6	5
17	Rheo-optical characterization of liquid crystalline acetoxypropylcellulose melt undergoing large shear flow and relaxation after flow cessation. Polymer, 2015, 71, 102-112.	3.8	5
18	Some Aspects of the Rheo-Nmr Behavior of the Lyotropic Liquid Crystal Poly(Î³-BENZYL-L-GLUTAMATE) in m-Cresol. Molecular Crystals and Liquid Crystals, 2004, 420, 35-45.	0.9	4

#	Article	IF	Citations
19	A Study of Rodrun LC3000/PP Blends Under Different Stationary and Non-Stationary Shear Conditions: The Influence of LCP Content and Processing Temperature. Journal of Polymer Engineering, 2005, 25, .	1.4	4
20	Aging Effects on the Rheology of LC Solutions of Hydroxypropylcellulose. Molecular Crystals and Liquid Crystals, 1995, 261, 87-93.	0.3	2
21	RHEOLOGICAL PROPERTIES OF LYOTROPIC SOLUTIONS OF ACETOXYPROPYLCELLULOSE IN DIMETHYLACETAMIDE. A COMPARISION WITH THE THERMOTROPIC CASE. Molecular Crystals and Liquid Crystals, 2003, 404, 95-105.	0.9	2
22	Experimental results for the rheological and rheoâ€optical behavior of poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (terep 1280-1287.	2.6	2
23	Experimental Results on Electrorheology of Liquid Crystalline Polymer Solutions. AIP Conference Proceedings, 2008, , .	0.4	1
24	Antibiotic Activity Screened by the Rheology of S. aureus Cultures. Fluids, 2020, 5, 76.	1.7	1
25	Rheology of living cells. , 2019, , .		0
26	S. aureus and E. coli Co-culture Growth Under Shear. Springer Proceedings in Materials, 2020, , 108-112.	0.3	0