

Catarina R Leal

List of Publications by Year in descending order

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26
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26
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845
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibiotic Activity Screened by the Rheology of <i>S. aureus</i> Cultures. <i>Fluids</i> , 2020, 5, 76.	1.7	1
2	<i>S. aureus</i> and <i>E. coli</i> Co-culture Growth Under Shear. <i>Springer Proceedings in Materials</i> , 2020, , 108-112.	0.3	0
3	Rheology of living cells. , 2019, , .		0
4	Motility and cell shape roles in the rheology of growing bacteria cultures. <i>European Physical Journal E</i> , 2019, 42, 26.	1.6	6
5	Bacterial cellulose: a versatile biopolymer for wound dressing applications. <i>Microbial Biotechnology</i> , 2019, 12, 586-610.	4.2	341
6	Rotational tumbling of <i>Escherichia coli</i> aggregates under shear. <i>Physical Review E</i> , 2016, 94, 062402.	2.1	6
7	Rheology of the cytoskeleton as a fractal network. <i>Physical Review E</i> , 2015, 92, 040702.	2.1	7
8	Electrorheological characterization of dispersions in silicone oil of encapsulated liquid crystal 4-n-pentyl-4'-cyanobiphenyl in polyvinyl alcohol and in silica. <i>Physica Scripta</i> , 2015, 90, 035802.	2.5	6
9	Rheo-optical characterization of liquid crystalline acetoxypopylcellulose melt undergoing large shear flow and relaxation after flow cessation. <i>Polymer</i> , 2015, 71, 102-112.	3.8	5
10	Living bacteria rheology: Population growth, aggregation patterns, and collective behavior under different shear flows. <i>Physical Review E</i> , 2014, 90, 022720.	2.1	13
11	Real-time rheology of actively growing bacteria. <i>Physical Review E</i> , 2013, 87, .	2.1	12
12	Electro-rheology study of a series of liquid crystal cyanobiphenyls: experimental and theoretical treatment. <i>Liquid Crystals</i> , 2012, 39, 25-37.	2.2	29
13	An electro-rheological study of the nematic liquid crystal 4-n-heptyl-4'-cyanobiphenyl. <i>Liquid Crystals</i> , 2010, 37, 1305-1311.	2.2	10
14	Reversible Photorheology in Solutions of Cetyltrimethylammonium Bromide, Salicylic Acid, and <i>trans</i> -2,4,4'-Trihydroxychalcone. <i>Langmuir</i> , 2010, 26, 16715-16721.	3.5	21
15	Experimental results for the rheological and rheo-optical behavior of poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 187 1280-1287.	2.6	2
16	Experimental Results on Electrorheology of Liquid Crystalline Polymer Solutions. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	1
17	Influence of processing conditions on the morphological and mechanical properties of compatibilized PP/LCP blends. <i>Journal of Applied Polymer Science</i> , 2007, 105, 1521-1532.	2.6	5
18	Optimisation of Rodrun LC3000/PP Compatibilised Blends: Influence of the Compatibiliser and LCP Contents on the Rheological, Morphological and Mechanical Properties. <i>Journal of Polymer Engineering</i> , 2006, 26, .	1.4	6

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Some Aspects of the Rheo-Nmr Behavior of the Lyotropic Liquid Crystal Poly($\hat{1}^3$ -BENZYL-L-GLUTAMATE) in m-Cresol. Molecular Crystals and Liquid Crystals, 2004, 420, 35-45.	0.9	4
22	RHEOLOGICAL PROPERTIES OF LYOTROPIC SOLUTIONS OF ACETOXYPROPYLCELLULOSE IN DIMETHYLACETAMIDE. A COMPARISON WITH THE THERMOTROPIC CASE. Molecular Crystals and Liquid Crystals, 2003, 404, 95-105.	0.9	2
23	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
24	Aging Effects on the Rheology of LC Solutions of Hydroxypropylcellulose. Molecular Crystals and Liquid Crystals, 1995, 261, 87-93.	0.3	2
25	Rheological Properties of Acetoxypopylcellulose in the Thermotropic Chiral Nematic Phase. Molecular Crystals and Liquid Crystals, 1995, 261, 617-625.	0.3	10
26	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