

Maria Godinho

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162 papers	2,297 citations	23 h-index	39 g-index
172 ext. papers	2,561 ext. citations	4.3 avg, IF	4.96 L-index

#	Paper	IF	Citations
162	Nanocrystalline cellulose applied simultaneously as the gate dielectric and the substrate in flexible field effect transistors. <i>Nanotechnology</i> , 2014 , 25, 094008	3.4	180
161	Cellulose-Based Biomimetics and Their Applications. <i>Advanced Materials</i> , 2018 , 30, e1703655	24	110
160	Mind the Microgap in Iridescent Cellulose Nanocrystal Films. <i>Advanced Materials</i> , 2017 , 29, 1603560	24	105
159	Functional Stimuli-Responsive Gels: Hydrogels and Microgels. <i>Gels</i> , 2018 , 4,	4.2	87
158	Helical Twisting of Electrospun Liquid Crystalline Cellulose Micro- and Nanofibers. <i>Advanced Materials</i> , 2008 , 20, 4821-4825	24	78
157	Structural Color and Iridescence in Transparent Sheared Cellulosic Films. <i>Macromolecular Chemistry and Physics</i> , 2013 , 214, 25-32	2.6	71
156	Transparent, conductive ZnO:Al thin film deposited on polymer substrates by RF magnetron sputtering. <i>Surface and Coatings Technology</i> , 2002 , 151-152, 247-251	4.4	59
155	Self-winding of helices in plant tendrils and cellulose liquid crystal fibers. <i>Soft Matter</i> , 2010 , 6, 5965	3.6	56
154	Wrinkling Labyrinth Patterns on Elastomeric Janus Particles. <i>Macromolecules</i> , 2011 , 44, 2220-2228	5.5	46
153	Dielectric studies of the nematic mixture E7 on a hydroxypropylcellulose substrate. <i>Liquid Crystals</i> , 2002 , 29, 429-441	2.3	44
152	A cellulose liquid crystal motor: a steam engine of the second kind. <i>Scientific Reports</i> , 2013 , 3, 1028	4.9	40
151	Atomic Force Microscopy Study of Hydroxypropylcellulose Films Prepared from Liquid Crystalline Aqueous Solutions. <i>Macromolecules</i> , 2002 , 35, 5932-5936	5.5	40
150	Shear induced textures of thermotropic acetoxypopylcellulose. <i>Journal of Rheology</i> , 1997 , 41, 1247-1260	4.1	34
149	Novel PDLC type display based on cellulose derivatives. <i>Liquid Crystals</i> , 1996 , 20, 373-376	2.3	32
148	How to mimic the shapes of plant tendrils on the nano and microscale: spirals and helices of electrospun liquid crystalline cellulose derivatives. <i>Soft Matter</i> , 2009 , 5, 2772	3.6	31
147	Optical properties of cholesteric (2-hydroxypropyl) cellulose (HPC) esters. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1994 , 32, 1907-1914	2.6	28
146	Sensing surface morphology of biofibers by decorating spider silk and cellulosic filaments with nematic microdroplets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 1174-9	11.5	27

145	Electro-optical light scattering shutter using electrospun cellulose-based nano- and microfibers. <i>Applied Physics Letters</i> , 2009 , 95, 043501	3.4	26
144	Comparison of thermal and cholesteric mesophase properties among the three kind of hydroxypropylcellulose (HPC) derivatives. <i>Polymer Bulletin</i> , 1994 , 32, 47-54	2.4	26
143	Field-Effect Transistors on Photonic Cellulose Nanocrystal Solid Electrolyte for Circular Polarized Light Sensing. <i>Advanced Functional Materials</i> , 2019 , 29, 1805279	15.6	26
142	Shaping helical electrospun filaments: a review. <i>Soft Matter</i> , 2017 , 13, 6678-6688	3.6	24
141	Shear-induced lamellar phase of an ionic liquid crystal at room temperature. <i>Liquid Crystals</i> , 2008 , 35, 103-107	2.3	24
140	Tensile properties of cellulose fiber reinforced hydroxypropylcellulose films. <i>Polymer Composites</i> , 2004 , 25, 102-110	3	24
139	Liquid crystal necklaces: cholesteric drops threaded by thin cellulose fibres. <i>Soft Matter</i> , 2013 , 9, 7928	3.6	22
138	A cellulosic liquid crystal pool for cellulose nanocrystals: Structure and molecular dynamics at high shear rates. <i>European Polymer Journal</i> , 2015 , 72, 72-81	5.2	21
137	High-resolution calorimetric study of the phase transitions of tridecylcyanobiphenyl and tetradecylcyanobiphenyl liquid crystals. <i>Phase Transitions</i> , 2009 , 82, 280-289	1.3	21
136	Tuneable micro- and nano-periodic structures in a free-standing flexible urethane/urea elastomer film. <i>European Physical Journal E</i> , 2006 , 21, 319-30	1.5	21
135	ITO coated flexible transparent substrates for liquid crystal based devices. <i>Vacuum</i> , 2002 , 64, 475-479	3.7	21
134	Fast field-cycling NMR relaxometry study of chiral and nonchiral nematic liquid crystals. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 14348-58	3.4	20
133	New cellulose derivatives composites for electro-optical sensors. <i>Carbohydrate Polymers</i> , 2007 , 68, 159-165	16.3	20
132	Influence of the Strain on the Electrical Resistance of Zinc Oxide Doped Thin Film Deposited on Polymer Substrates. <i>Advanced Engineering Materials</i> , 2002 , 4, 610-612	3.5	20
131	Cellulose-Based Composite Films. <i>Mechanics of Composite Materials</i> , 2001 , 37, 257-264	1.1	20
130	Carbon Nanotubes as Reinforcement of Cellulose Liquid Crystalline Responsive Networks. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 21005-9	9.5	19
129	Hierarchical wrinkling on elastomeric Janus spheres. <i>Journal of Materials Chemistry</i> , 2012 , 22, 22044		19
128	Composite systems for display applications from cellulose elastomers and nematic liquid crystals. <i>Optical Materials</i> , 1998 , 9, 226-229	3.3	19

127	Cross-linked hydroxypropylcellulose films: mechanical behaviour and electro-optical properties of PDLC type cells. <i>Optical Materials</i> , 2002 , 20, 97-100	3.3	19
126	Mechanico-Optical Effects in a Polypropylene Oxide/Polybutadiene Bi-Soft Segment Urethane/Urea Elastomer. <i>Macromolecules</i> , 2000 , 33, 7675-7678	5.5	19
125	Water-Based Cellulose Liquid Crystal System Investigated by Rheo-NMR. <i>Macromolecules</i> , 2013 , 46, 4296-4302	5.5	18
124	Cellulose-based liquid crystalline photoresponsive films with tunable surface wettability. <i>Langmuir</i> , 2011 , 27, 6330-7	4	17
123	Cellulosic liquid crystals for films and fibers. <i>Liquid Crystals Reviews</i> , 2017 , 5, 86-110	2.8	16
122	Perversions with a twist. <i>Scientific Reports</i> , 2016 , 6, 23413	4.9	16
121	First curl, then wrinkle. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 1618-22	4.8	16
120	Liquid crystalline cellulose derivative elastomer films under uniaxial strain. <i>Cellulose</i> , 2009 , 16, 199-205	5.5	16
119	Persistent quasilplanar nematic texture: Its properties and topological defects. <i>Physical Review E</i> , 2016 , 94, 042706	2.4	15
118	Bio-inspired production of chitosan/chitin films from liquid crystalline suspensions. <i>Carbohydrate Polymers</i> , 2017 , 155, 372-381	10.3	15
117	Cellulose Perversions. <i>Materials</i> , 2013 , 6, 1377-1390	3.5	15
116	Liquid Crystalline Behaviour of Chitosan in Formic, Acetic, Monochloroacetic Acid Solutions. <i>Materials Science Forum</i> , 2006 , 514-516, 1010-1014	0.4	15
115	Staphylococcus epidermidis adhesion on modified urea/urethane elastomers. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2006 , 17, 239-46	3.5	15
114	Shear induced finite orientational order in urethane/urea elastomers. <i>Polymer</i> , 2004 , 45, 5551-5555	3.9	15
113	ITO properties on anisotropic flexible transparent cellulosic substrates under different stress conditions. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005 , 118, 183-186	3.1	15
112	Light shutters from nanocrystalline cellulose rods in a nematic liquid crystal. <i>Liquid Crystals</i> , 2013 , 40, 769-773	2.3	14
111	Thermally Stimulated Depolarization Currents and Optical Transmission on Liquid Crystal/Cellulose Derivative Composite Devices. <i>Molecular Crystals and Liquid Crystals</i> , 2003 , 391, 1-11	0.5	14
110	Effect of degradation on thermotropic cholesteric optical properties of (2-hydroxypropyl) cellulose (HPC) esters. <i>Journal of Polymer Science Part A</i> , 1992 , 30, 895-899	2.5	13

109	Optical, magnetic and dielectric properties of non-liquid crystalline elastomers doped with magnetic colloids. <i>Brazilian Journal of Physics</i> , 2005 , 35, 184-189	1.2	13
108	Recent advances in the manipulation of circularly polarised light with cellulose nanocrystal films. <i>Current Opinion in Solid State and Materials Science</i> , 2019 , 23, 63-73	12	13
107	Reversible water driven chirality inversion in cellulose-based helices isolated from Erodium awns. <i>Soft Matter</i> , 2019 , 15, 2838-2847	3.6	12
106	From Cellulosic Based Liquid Crystalline Sheared Solutions to 1D and 2D Soft Materials. <i>Materials</i> , 2014 , 7, 4601-4627	3.5	12
105	Liquid crystalline cellulosic elastomers: free standing anisotropic films under stretching. <i>Cellulose</i> , 2011 , 18, 1151-1163	5.5	12
104	Two negative minima of the first normal stress difference in a cellulose-based cholesteric liquid crystal: Helix uncoiling. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017 , 55, 821-830	2.6	11
103	Rheo-NMR study of water-based cellulose liquid crystal system at high shear rates. <i>Polymer</i> , 2015 , 65, 18-25	3.9	11
102	Confinement of thermoresponsive microgels into fibres via colloidal electrospinning: experimental and statistical analysis. <i>RSC Advances</i> , 2016 , 6, 76370-76380	3.7	11
101	3D topography design of membranes for enhanced mass transport. <i>Journal of Membrane Science</i> , 2008 , 321, 337-343	9.6	11
100	Properties and processing of cork powder filled cellulose derivatives composites. <i>Macromolecular Symposia</i> , 2001 , 169, 223-228	0.8	11
99	Towards the development of multifunctional hybrid fibrillary gels: production and optimization by colloidal electrospinning. <i>RSC Advances</i> , 2017 , 7, 48972-48979	3.7	10
98	Flexible and Structural Coloured Composite Films from Cellulose Nanocrystals/Hydroxypropyl Cellulose Lyotropic Suspensions. <i>Crystals</i> , 2020 , 10, 122	2.3	10
97	Tuning surface wrinkles of Janus spheres in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2017 , 120, 125-131	4.2	10
96	Anomalous Thermal Behavior of Salicylsalicylic Acid and Evidence for a Monotropic Transition to a Nematic Phase. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 7955-7962	3.4	10
95	Surface modification of a new flexible substrate based on hydroxypropylcellulose for optoelectronic applications. <i>Thin Solid Films</i> , 2003 , 442, 127-131	2.2	10
94	ITO thin films deposited by RTE on flexible transparent substrates. <i>Optical Materials</i> , 2001 , 17, 287-290	3.3	10
93	Hedgehogs in the dowsier state. <i>European Physical Journal E</i> , 2016 , 39, 121	1.5	10
92	Electro-Optical Properties of Cellulose Based PDLC Type Cells: Dependence on the Type of Diisocyanate Cross-Linking Agent Used. <i>Molecular Crystals and Liquid Crystals</i> , 2001 , 368, 121-128		9

91	Rheological Properties of Acetoxypentylcellulose in the Thermotropic Chiral Nematic Phase. <i>Molecular Crystals and Liquid Crystals</i> , 1995 , 261, 617-625		9
90	Hygroscopic study of hydroxypropylcellulose : Structure and strain-induced birefringence of capillary bridges. <i>European Physical Journal E</i> , 2016 , 39, 89	1.5	9
89	Sensing and tuning microfiber chirality with nematic chirogyral effect. <i>Physical Review E</i> , 2016 , 93, 032703	2.4	8
88	Rheotropism of the dowser texture. <i>European Physical Journal E</i> , 2017 , 40, 109	1.5	8
87	Liquid crystal beads constrained on thin cellulosic fibers: electric field induced microrotors and NI transition. <i>Soft Matter</i> , 2012 , 8, 3634	3.6	8
86	Deuterium NMR Study of Orientational Order in Cellulosic Network Microfibers. <i>Macromolecules</i> , 2010 , 43, 5749-5755	5.5	8
85	Deformation of isotropic and anisotropic liquid droplets dispersed in a cellulose liquid crystalline derivative. <i>Cellulose</i> , 2009 , 16, 427-434	5.5	8
84	Anisotropic cellulose-derived matrix for dispersed liquid crystals. <i>Liquid Crystals</i> , 2006 , 33, 109-114	2.3	8
83	Atomic force microscopy evidence of patterning urethane/urea copolymers. <i>Materials Science and Engineering C</i> , 2003 , 23, 919-922	8.3	8
82	Flexible cellulose derivative PDLC type cells. <i>Liquid Crystals</i> , 2002 , 29, 475-477	2.3	8
81	The first normal stress difference and viscosity in shear of liquid crystalline solutions of hydroxypropylcellulose: new experimental data and theory. <i>Polymers for Advanced Technologies</i> , 1994 , 5, 596-599	3.2	8
80	NMR study of molecular dynamics in a mixture of two polar liquid crystals (CBOOA and DOBCA). <i>Liquid Crystals</i> , 1992 , 11, 621-635	2.3	8
79	Temperature-responsive fibres of cellulose-based copolymers. <i>Polymer Chemistry</i> , 2018 , 9, 3615-3623	4.9	8
78	Helical Microfilaments with Alternating Imprinted Intrinsic Curvatures. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1600700	4.8	7
77	Revisiting (hydroxypropyl) cellulose (HPC)/water liquid crystalline system. <i>Liquid Crystals</i> , 2017 , 1-13	2.3	7
76	Longitudinal versus polar wrinkling of core-shell fibers with anisotropic size mismatches. <i>Physical Review E</i> , 2014 , 89, 012403	2.4	7
75	Electro-optical cells using a cellulose derivative and cholesteric liquid crystals. <i>Liquid Crystals</i> , 2008 , 35, 1345-1350	2.3	7
74	Tunable topographical cellulose matrices for electro-optical liquid crystal cells. <i>Opto-electronics Review</i> , 2006 , 14,	2.4	7

73	Organized structures obtained from urethane/urea elastomers. <i>Synthetic Metals</i> , 2004 , 147, 209-213	3.6	7
72	Shear-Induced Order Effects in Bi-Soft Segment Urethane/Urea Elastomers. <i>Molecular Crystals and Liquid Crystals</i> , 2001 , 365, 447-457		7
71	New bio-composites based on short fibre reinforced hydroxypropylcellulose films. <i>Composite Interfaces</i> , 2001 , 8, 233-241	2.3	7
70	Liquid Crystal and Cellulose Derivatives Composites Used in Electro-Optical Applications. <i>Molecular Crystals and Liquid Crystals</i> , 1999 , 331, 173-179		7
69	Ionically Modified Cellulose Nanocrystal Self-Assembled Films with a Mesoporous Twisted Superstructure: Polarizability and Application in Ion-Gated Transistors. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 426-436	4	7
68	Effect of cellulose nanocrystals in a cellulosic liquid crystal behaviour under low shear (regime I): Structure and molecular dynamics. <i>European Polymer Journal</i> , 2016 , 84, 675-684	5.2	7
67	Flexo-electricity of the dowser texture. <i>Soft Matter</i> , 2019 , 15, 1469-1480	3.6	6
66	Improved mechanical stability of acetoxypopyl cellulose upon blending with ultranarrow PbS nanowires in Langmuir monolayer matrix. <i>Langmuir</i> , 2013 , 29, 15231-9	4	6
65	Shear-induced lamellar ionic liquid-crystal foam. <i>Liquid Crystals</i> , 2010 , 37, 377-382	2.3	6
64	Shear-history dependent [equilibrium]states of liquid-crystalline hydroxypropylcellulose solutions detected by rheo-nuclear magnetic resonance. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 5461-5468 ^{1.8}		6
63	Anisotropic hydroxypropylcellulose films as alignment layers of a bistable ferroelectric device. <i>Liquid Crystals</i> , 2002 , 29, 1491-1495	2.3	6
62	Cholesteric mesophases. <i>Physica Scripta</i> , 1991 , T35, 47-52	2.6	6
61	Liquid fibres and their networks from cellulose-based liquid crystalline solutions. <i>Liquid Crystals</i> , 2018 , 45, 1987-1995	2.3	5
60	[H-H cross-relaxation study in a partially deuterated nematic liquid crystal. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 5600-7	3.4	5
59	Anchoring properties of a nematic liquid crystal on anisotropic hydroxypropylcellulose films. <i>Liquid Crystals</i> , 2005 , 32, 913-919	2.3	5
58	Mesophase formation and intrinsic viscosity for some low-molecular-weight cellulose acetate samples. <i>Liquid Crystals</i> , 1989 , 5, 1711-1718	2.3	5
57	On the influence of imidazolium ionic liquids on cellulose derived polymers. <i>European Polymer Journal</i> , 2019 , 114, 353-360	5.2	5
56	All-cellulose composite membranes for oil microdroplet collection. <i>Cellulose</i> , 2020 , 27, 4665-4677	5.5	4

55	Cellulose-based nanostructures for photoresponsive surfaces. <i>Cellulose</i> , 2016 , 23, 465-476	5.5	4
54	Cellulose-Based Materials: Cellulose-Based Biomimetics and Their Applications (Adv. Mater. 19/2018). <i>Advanced Materials</i> , 2018 , 30, 1870131	24	4
53	All-Cellulosic Based Composites 2011 , 399-421		4
52	How foam-like is the shear-induced lamellar phase of an ionic liquid crystal?. <i>Philosophical Magazine Letters</i> , 2008 , 88, 741-747	1	4
51	Optical characterization of urethane/urea elastomers undoped and doped with magnetic nanoparticles subjected to a uniaxial strain. <i>Journal of Applied Physics</i> , 2007 , 102, 073524	2.5	4
50	Strain-induced matrix and droplets anisotropic deformation in liquid crystalline cellulose dispersed liquid crystal films. <i>Composite Interfaces</i> , 2006 , 13, 477-486	2.3	4
49	EPR spectroscopy of protein microcrystals oriented in a liquid crystalline polymer medium. <i>Journal of Magnetic Resonance</i> , 2004 , 170, 213-9	3	4
48	Optical Polarizing Studies of Cellulose Acetate Membranes Prepared by Phase-Inversion. <i>Molecular Crystals and Liquid Crystals</i> , 1995 , 258, 163-171		4
47	Photonic composite materials from cellulose nanorods and clay nanolayers. <i>European Physical Journal: Special Topics</i> , 2020 , 229, 2741-2755	2.3	4
46	Action of fields on captive disclination loops. <i>European Physical Journal E</i> , 2017 , 40, 28	1.5	3
45	Spotting plantsUnicrofilament morphologies and nanostructures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 13188-13193	11.5	3
44	Rheo-optical characterization of liquid crystalline acetoxypopylcellulose melt undergoing large shear flow and relaxation after flow cessation. <i>Polymer</i> , 2015 , 71, 102-112	3.9	3
43	Revealing the Hierarchical Mechanical Strength of Single Cellulose Acetate Electrospun Filaments through Ultrasonic Breakage. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1166-70	4.8	3
42	Cellulose-Based Anisotropic Composites. <i>Materials Science Forum</i> , 2008 , 587-588, 604-607	0.4	3
41	Study of micro and nano surface structures from UV irradiated urethane/urea elastomers. <i>New Biotechnology</i> , 2007 , 24, 97-101		3
40	Stress-induced birefringence in elastomers doped with ferrofluid magnetic particles: Mechanical and optical investigation. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 300, 79-82	2.8	3
39	Composite systems for flexible display applications from cellulose derivatives. <i>Synthetic Metals</i> , 2002 , 127, 111-114	3.6	3
38	When the smallest details count. <i>Science</i> , 2020 , 369, 918-919	33.3	3

37	Electro-osmosis and flexo-electricity in the dowser texture. <i>European Physical Journal E</i> , 2019 , 42, 69	1.5	2
36	Functional Materials from Liquid Crystalline Cellulose Derivatives: Synthetic Routes, Characterization and Applications 2015 , 339-368		2
35	Hybrid polysaccharide-based systems for biomedical applications 2017 , 107-149		2
34	Cholesteric-type cellulosic structures: from plants to applications. <i>Liquid Crystals</i> , 2019 , 46, 1937-1949	2.3	2
33	Elastomeric patterns probed by a nematic liquid crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2017 , 657, 136-146	0.5	2
32	Cellulose-Based Liquid Crystalline Composite Systems 2014 , 215-235		2
31	Mechanically activated cholesteric polymer dispersed liquid crystals. <i>Liquid Crystals</i> , 2007 , 34, 1269-1273	2.3	2
30	3D Soft Microlithography in Segmented Anisotropic Urethane/Urea Elastomers. <i>Molecular Crystals and Liquid Crystals</i> , 2005 , 437, 53/[1297]-61/[1305]	0.5	2
29	Molecular Dynamics Study in PU/PBDO Anisotropic Elastomers by Proton NMR Relaxometry. <i>Molecular Crystals and Liquid Crystals</i> , 2006 , 450, 119/[319]-126/[326]	0.5	2
28	Transport Properties of Indium Tin Oxide on Anisotropic Flexible Transparent Cellulosic Substrates. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 725, 1		2
27	Temperature Dependence of the Rheological Properties of Acetoxypolypropylcellulose in the Thermotropic Chiral Nematic Phase. <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 348, 27-39		2
26	Light Scattering Studies in Cellulose Derivative Based PDLC Type Cells. <i>Molecular Crystals and Liquid Crystals</i> , 2001 , 359, 79-88		2
25	The Influence of Polymer Molecular Weight on the First Normal-Stress Difference and Shear-Viscosity of LC Solutions of Hydroxypropylcellulose. <i>Molecular Crystals and Liquid Crystals</i> , 2001 , 362, 305-312		2
24	Aging Effects on the Rheology of LC Solutions of Hydroxypropylcellulose. <i>Molecular Crystals and Liquid Crystals</i> , 1995 , 261, 87-93		2
23	Magnetic tweezers for captive disclination loops. <i>European Physical Journal: Special Topics</i> , 2019 , 227, 2439-2454	2.3	1
22	Playing the blues, the greens and the reds with cellulose-based structural colours. <i>Faraday Discussions</i> , 2020 , 223, 247-260	3.6	1
21	On Generation, Motions, and Collisions of Dowsons. <i>Frontiers in Physics</i> , 2020 , 7,	3.9	1
20	Understanding the influence of carbon nanotubes on the flow behavior of liquid crystalline hydroxypropylcellulose: A Rheo-NMR study. <i>Polymer</i> , 2019 , 180, 121675	3.9	1

19	Micro- and nanofibers and liquid crystals for light-scattering shutters: simulation of electro-optical properties. <i>Physical Review E</i> , 2014 , 89, 012507	2.4	1
18	Luminescent elastomeric Janus particles. <i>Journal of Colloid and Interface Science</i> , 2013 , 410, 124-30	9.3	1
17	Free-standing urethane/urea elastomer films undoped and doped with ferro-nano-particles. <i>European Physical Journal E</i> , 2011 , 34, 8	1.5	1
16	Pattern Formation in a Bi-Soft Segment Urethane Elastomer. <i>Molecular Crystals and Liquid Crystals</i> , 2004 , 412, 93-101	0.5	1
15	Travelling colourful patterns in self-organized cellulose-based liquid crystalline structures. <i>Communications Materials</i> , 2021 , 2,	6	1
14	Physics of the Dowser Texture 2021 , 193-309		1
13	Genotoxicity of Three Micro/Nanocelluloses with Different Physicochemical Characteristics in MG-63 and V79 Cells. <i>Journal of Xenobiotics</i> , 2022 , 12, 91-108	1	1
12	Cellulose Nanocrystal Aqueous Colloidal Suspensions: Evidence of Density Inversion at the Isotropic-liquid Crystal Phase Transition.. <i>Advanced Materials</i> , 2022 , e2108227	24	1
11	Water Dynamics in Composite Aqueous Suspensions of Cellulose Nanocrystals and a Clay Mineral Studied through Magnetic Resonance Relaxometry. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 12787-12796	3.4	0
10	Synthesis and characterisation of ionic liquid crystals based on substituted pyridinium cations. <i>Liquid Crystals</i> , 1-13	2.3	0
9	Computational Design of Superhelices by Local Change of the Intrinsic Curvature. <i>Lecture Notes in Computer Science</i> , 2019 , 483-491	0.9	
8	Wrinkling Labyrinth Patterns on Elastomeric Janus Particles 2019 , 253-269		
7	Twisted, 1012 May 2017, Luxembourg. <i>Liquid Crystals Today</i> , 2017 , 26, 59-62	1.9	
6	European Conference on Liquid Crystals. <i>Liquid Crystals Today</i> , 2014 , 23, 18-22	1.9	
5	Nanoscale Structure of Urethane/Urea Elastomeric Films. <i>Brazilian Journal of Physics</i> , 2017 , 47, 19-25	1.2	
4	Tunning the Elastic Properties of Wrinkled Janus Particles. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1483, 1		
3	Preliminary Results on UV and High Temperature Exposure Effects on the Electro-Optical Properties of Cellulose Derivatives Based PDLC Type Cells. <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 351, 61-68		
2	Preparation and liquid-crystalline properties of toluene-4-sulphonyl urethane of hydroxypropylcellulose. <i>Liquid Crystals</i> , 1993 , 14, 653-659	2.3	

- 1 Temperature Dependence of the Rheological Properties of Acetoxypropylcellulose in the Thermotropic Chiral Nematic Phase **1998**, 218-219