

# Fernandes, S; Fernandes, S N; Fernandes, Susete N;

## List of Publications by Citations

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45  
papers

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16  
h-index

30  
g-index

51  
ext. papers

1,132  
ext. citations

5.5  
avg, IF

4.13  
L-index

#	Paper	IF	Citations
45	Nanocrystalline cellulose applied simultaneously as the gate dielectric and the substrate in flexible field effect transistors. <i>Nanotechnology</i> , <b>2014</b> , 25, 094008	3.4	180
44	Cellulose-Based Biomimetics and Their Applications. <i>Advanced Materials</i> , <b>2018</b> , 30, e1703655	24	110
43	Mind the Microgap in Iridescent Cellulose Nanocrystal Films. <i>Advanced Materials</i> , <b>2017</b> , 29, 1603560	24	105
42	Functional Stimuli-Responsive Gels: Hydrogels and Microgels. <i>Gels</i> , <b>2018</b> , 4,	4.2	87
41	Structural Color and Iridescence in Transparent Sheared Cellulosic Films. <i>Macromolecular Chemistry and Physics</i> , <b>2013</b> , 214, 25-32	2.6	71
40	Titanium ketimide complexes as olefin homo- and copolymerisation catalysts. X-ray diffraction structures of [TiCp(N-CtBu <sub>2</sub> )Cl <sub>2</sub> ] (Cp=Ind, Cp*). <i>Journal of Organometallic Chemistry</i> , <b>2004</b> , 689, 203-213	2.3	42
39	A cellulose liquid crystal motor: a steam engine of the second kind. <i>Scientific Reports</i> , <b>2013</b> , 3, 1028	4.9	40
38	Titanium and zirconium ketimide complexes: synthesis and ethylene polymerisation catalysis. <i>Journal of Organometallic Chemistry</i> , <b>2005</b> , 690, 874-884	2.3	33
37	Synthesis of acrylamide/olefin copolymers by a diimine nickel catalyst. <i>Macromolecular Chemistry and Physics</i> , <b>2000</b> , 201, 2464-2468	2.6	27
36	Diimine nickel catalysis of ethylene copolymerization with polar cyclic monomers. <i>Macromolecular Chemistry and Physics</i> , <b>2000</b> , 201, 2566-2572	2.6	26
35	Field-Effect Transistors on Photonic Cellulose Nanocrystal Solid Electrolyte for Circular Polarized Light Sensing. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1805279	15.6	26
34	Polymerisation of ethylene catalysed by mono-imine-2,6-diacetylpyridine iron/methylaluminumoxane (MAO) catalyst system: effect of the ligand on polymer microstructure. <i>Polymer International</i> , <b>2002</b> , 51, 1301-1303	3.3	19
33	Polymerization of olefins and polar monomers catalyzed by bis(imino)Ni(II)/dibutylmagnesium/alkylaluminium halide systems. <i>Polymer International</i> , <b>2002</b> , 51, 729-737	3.3	19
32	Cellulose-based liquid crystalline photoresponsive films with tunable surface wettability. <i>Langmuir</i> , <b>2011</b> , 27, 6330-7	4	17
31	Copolymerization of ethylene/unsaturated alcohols using nickel catalysts: effect of the ligand on the activity and comonomer incorporation. <i>Journal of Organometallic Chemistry</i> , <b>2005</b> , 690, 895-909	2.3	17
30	Cellulosic liquid crystals for films and fibers. <i>Liquid Crystals Reviews</i> , <b>2017</b> , 5, 86-110	2.8	16
29	Synthesis of polar vinyl monomer/olefin copolymers by diimine nickel catalyst. <i>Polymer International</i> , <b>2001</b> , 50, 579-587	3.3	16

28	Recent advances in the manipulation of circularly polarised light with cellulose nanocrystal films. <i>Current Opinion in Solid State and Materials Science</i> , <b>2019</b> , 23, 63-73	12	13
27	Synthesis of acrylamide end-functionalised poly(1-hexene) using an $\pi$ -allyl nickel catalyst. <i>Polymer International</i> , <b>2005</b> , 54, 249-255	3.3	11
26	Flexible and Structural Coloured Composite Films from Cellulose Nanocrystals/Hydroxypropyl Cellulose Lyotropic Suspensions. <i>Crystals</i> , <b>2020</b> , 10, 122	2.3	10
25	Copolymerization of ethylene with unsaturated alcohols and methylmethacrylate using a silylated $\pi$ -allyl nickel catalyst: Molecular modeling and photodegradation studies. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 129, 1820-1832	2.9	8
24	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> , <b>2020</b> , 2, 426-436	4	7
23	Effect of cellulose nanocrystals in a cellulosic liquid crystal behaviour under low shear (regime I): Structure and molecular dynamics. <i>European Polymer Journal</i> , <b>2016</b> , 84, 675-684	5.2	7
22	Liquid fibres and their networks from cellulose-based liquid crystalline solutions. <i>Liquid Crystals</i> , <b>2018</b> , 45, 1987-1995	2.3	5
21	$^1\text{H}$ - $^2\text{H}$ cross-relaxation study in a partially deuterated nematic liquid crystal. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 5600-7	3.4	5
20	Dielectric and thermal characterization of low density ethylene/10-undecen-1-ol copolymers prepared with nickel catalysts. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2007</b> , 45, 2802-2812	2.6	5
19	All-cellulose composite membranes for oil microdroplet collection. <i>Cellulose</i> , <b>2020</b> , 27, 4665-4677	5.5	4
18	Cellulose-based nanostructures for photoresponsive surfaces. <i>Cellulose</i> , <b>2016</b> , 23, 465-476	5.5	4
17	Cellulose-Based Materials: Cellulose-Based Biomimetics and Their Applications (Adv. Mater. 19/2018). <i>Advanced Materials</i> , <b>2018</b> , 30, 1870131	24	4
16	New phospholyl complexes of groups 4 and 6: Syntheses, characterisation and polymerisation studies. <i>Inorganica Chimica Acta</i> , <b>2009</b> , 362, 1275-1281	2.7	4
15	Photonic composite materials from cellulose nanorods and clay nanolayers. <i>European Physical Journal: Special Topics</i> , <b>2020</b> , 229, 2741-2755	2.3	4
14	Rheo-optical characterization of liquid crystalline acetoxypropylcellulose melt undergoing large shear flow and relaxation after flow cessation. <i>Polymer</i> , <b>2015</b> , 71, 102-112	3.9	3
13	Revealing the Hierarchical Mechanical Strength of Single Cellulose Acetate Electrospun Filaments through Ultrasonic Breakage. <i>Macromolecular Rapid Communications</i> , <b>2015</b> , 36, 1166-70	4.8	3
12	Flexible random lasers in dye-doped bio-degradable cellulose nanocrystalline needles. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2020</b> , 37, 24	1.7	3
11	Hybrid polysaccharide-based systems for biomedical applications <b>2017</b> , 107-149		2

10	Photodegradation of ethylene/propylene/polar monomers, co-, and terpolymers. II. Prepared by Ni catalyst systems. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 104, 1783-1791	2.9	2
9	Playing the blues, the greens and the reds with cellulose-based structural colours. <i>Faraday Discussions</i> , <b>2020</b> , 223, 247-260	3.6	1
8	Travelling colourful patterns in self-organized cellulose-based liquid crystalline structures. <i>Communications Materials</i> , <b>2021</b> , 2,	6	1
7	Synthesis of acrylamide/olefin copolymers by a diimine nickel catalyst <b>2000</b> , 201, 2464		1
6	Genotoxicity of Three Micro/Nanocelluloses with Different Physicochemical Characteristics in MG-63 and V79 Cells. <i>Journal of Xenobiotics</i> , <b>2022</b> , 12, 91-108	1	1
5	Cellulose Nanocrystal Aqueous Colloidal Suspensions: Evidence of Density Inversion at the Isotropic-liquid Crystal Phase Transition.. <i>Advanced Materials</i> , <b>2022</b> , e2108227	24	1
4	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> , <b>2021</b> , 125, 12787-12796	3.4	0
3	Twisted, 10 May 2017, Luxembourg. <i>Liquid Crystals Today</i> , <b>2017</b> , 26, 59-62	1.9	
2	Macromol. Rapid Commun. 12/2015. <i>Macromolecular Rapid Communications</i> , <b>2015</b> , 36, 1220-1220	4.8	
1	Photodegradation of Ethylene/Propylene/Polar Monomers Co- and Terpolymers. I Prepared by Group 4 Catalyst Systems. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2005</b> , 42, 1259-1270	2.2	2