

Fernandes, S; Fernandes, S N; Fernandes

List of Publications by Year in descending order

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48
papers

1,316
citations

430442

18
h-index

344852

36
g-index

51
all docs

51
docs citations

51
times ranked

1988
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanocrystalline cellulose applied simultaneously as the gate dielectric and the substrate in flexible field effect transistors. <i>Nanotechnology</i> , 2014, 25, 094008.	1.3	218
2	Mind the Microgap in Iridescent Cellulose Nanocrystal Films. <i>Advanced Materials</i> , 2017, 29, 1603560.	11.1	163
3	Functional Stimuli-Responsive Gels: Hydrogels and Microgels. <i>Gels</i> , 2018, 4, 54.	2.1	144
4	Cellulose-Based Biomimetics and Their Applications. <i>Advanced Materials</i> , 2018, 30, e1703655.	11.1	143
5	Structural Color and Iridescence in Transparent Sheared Cellulosic Films. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 25-32.	1.1	89
6	A cellulose liquid crystal motor: a steam engine of the second kind. <i>Scientific Reports</i> , 2013, 3, 1028.	1.6	48
7	Field-Effect Transistors on Photonic Cellulose Nanocrystal Solid Electrolyte for Circular Polarized Light Sensing. <i>Advanced Functional Materials</i> , 2019, 29, 1805279.	7.8	48
8	Titanium ketimide complexes as $\hat{\iota}$ -olefin homo- and copolymerisation catalysts. X-ray diffraction structures of $[\text{TiCp}^{\epsilon 2}(\text{N}^{\sim}\dots\text{CtBu}_2)\text{Cl}_2]$ ($\text{Cp}^{\epsilon 2}=\text{Ind}$, Cp^*). <i>Journal of Organometallic Chemistry</i> , 2004, 689, 203-213.	0.8	42
9	Titanium and zirconium ketimide complexes: synthesis and ethylene polymerisation catalysis. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 874-884.	0.8	33
10	Synthesis of acrylamide/olefin copolymers by a diimine nickel catalyst. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 2464-2468.	1.1	30
11	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.	5.6	27
12	Diimine nickel catalysis of ethylene copolymerization with polar cyclic monomers. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 2566-2572.	1.1	26
13	Flexible and Structural Coloured Composite Films from Cellulose Nanocrystals/Hydroxypropyl Cellulose Lyotropic Suspensions. <i>Crystals</i> , 2020, 10, 122.	1.0	24
14	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> , 2002, 51, 1301-1303.	1.6	23
15	Polymerization of olefins and polar monomers catalyzed by bis(imino)Ni(II)/dibutylmagnesium/alkylaluminium halide systems. <i>Polymer International</i> , 2002, 51, 729-737.	1.6	22
16	Cellulosic liquid crystals for films and fibers. <i>Liquid Crystals Reviews</i> , 2017, 5, 86-110.	1.1	22
17	Cellulose-Based Liquid Crystalline Photoresponsive Films with Tunable Surface Wettability. <i>Langmuir</i> , 2011, 27, 6330-6337.	1.6	19
18	Synthesis of polar vinyl monomer-olefin copolymers by $\hat{\iota}$ -diimine nickel catalyst. <i>Polymer International</i> , 2001, 50, 579-587.	1.6	18

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19	Copolymerization of ethylene/unsaturated alcohols using nickel catalysts: effect of the ligand on the activity and comonomer incorporation. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 895-909.	0.8	18
20	Synthesis of acrylamide end-functionalised poly(1-hexene) using an η^2 -diimine nickel catalyst. <i>Polymer International</i> , 2005, 54, 249-255.	1.6	13
21	Ionic 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.	2.0	13
22	All-cellulose composite membranes for oil microdroplet collection. <i>Cellulose</i> , 2020, 27, 4665-4677.	2.4	11
23	Analysis of the In Vitro Toxicity of Nanocelluloses in Human Lung Cells as Compared to Multi-Walled Carbon Nanotubes. <i>Nanomaterials</i> , 2022, 12, 1432.	1.9	11
24	Copolymerization of ethylene with unsaturated alcohols and methylmethacrylate using a silylated η^2 -diimine nickel catalyst: Molecular modeling and photodegradation studies. <i>Journal of Applied Polymer Science</i> , 2013, 129, 1820-1832.	1.3	10
25	Cellulose Nanocrystal Aqueous Colloidal Suspensions: Evidence of Density Inversion at the Isotropic-Liquid Crystal Phase Transition. <i>Advanced Materials</i> , 2022, 34, e2108227.	11.1	9
26	^1H - ^2H Cross-Relaxation Study in a Partially Deuterated Nematic Liquid Crystal. <i>Journal of Physical Chemistry B</i> , 2014, 118, 5600-5607.	1.2	7
27	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.	2.6	7
28	Flexible random lasers in dye-doped bio-degradable cellulose nanocrystalline needles. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020, 37, 24.	0.9	7
29	Cellulose-Based Materials: Cellulose-Based Biomimetics and Their Applications (Adv. Mater. 19/2018). <i>Advanced Materials</i> , 2018, 30, 1870131.	11.1	6
30	Playing the blues, the greens and the reds with cellulose-based structural colours. <i>Faraday Discussions</i> , 2020, 223, 247-260.	1.6	6
31	Photonic composite materials from cellulose nanorods and clay nanolayers. <i>European Physical Journal: Special Topics</i> , 2020, 229, 2741-2755.	1.2	6
32	Dielectric and thermal characterization of low density ethylene/10-undecene copolymers prepared with nickel catalysts. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 2802-2812.	2.4	5
33	Rheo-optical characterization of liquid crystalline acetoxypopylcellulose melt undergoing large shear flow and relaxation after flow cessation. <i>Polymer</i> , 2015, 71, 102-112.	1.8	5
34	Cellulose-based nanostructures for photoresponsive surfaces. <i>Cellulose</i> , 2016, 23, 465-476.	2.4	5
35	Liquid fibres and their networks from cellulose-based liquid crystalline solutions. <i>Liquid Crystals</i> , 2018, 45, 1987-1995.	0.9	5
36	Travelling colourful patterns in self-organized cellulose-based liquid crystalline structures. <i>Communications Materials</i> , 2021, 2, .	2.9	5

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37	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.	1.2	5
38	New phospholyl complexes of groups 4 and 6: Syntheses, characterisation and polymerisation studies. <i>Inorganica Chimica Acta</i> , 2009, 362, 1275-1281.	1.2	4
39	Genotoxicity of Three Micro/Nanocelluloses with Different Physicochemical Characteristics in MG-63 and V79 Cells. <i>Journal of Xenobiotics</i> , 2022, 12, 91-108.	2.9	4
40	Revealing the Hierarchical Mechanical Strength of Single Cellulose Acetate Electrospun Filaments through Ultrasonic Breakage. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1166-1170.	2.0	3
41	Hybrid polysaccharide-based systems for biomedical applications. , 2017, , 107-149.		3
42	Photodegradation of ethylene/propylene/polar monomers, co-, and terpolymers. II. Prepared by Ni catalyst systems. <i>Journal of Applied Polymer Science</i> , 2007, 104, 1783-1791.	1.3	2
43	Nanocellulose-Based Random Laser. , 2019, , .		1
44	Synthesis of acrylamide/olefin copolymers by a diimine nickel catalyst. , 2000, 201, 2464.		1
45	Photodegradation of Ethylene/Propylene/Polar Monomers Co- and Terpolymers. Prepared by Group 4 Catalyst Systems. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2005, 42, 1259-1270.	1.2	0
46	Macromol. Rapid Commun. 12/2015. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1220-1220.	2.0	0
47	Twisted, 10-12 May 2017, Luxembourg. <i>Liquid Crystals Today</i> , 2017, 26, 59-62.	2.3	0
48	Colourful Patterns in Cellulose-Based Liquid Crystals. <i>Zhidkie Kristally I Ikh Prakticheskoe Ispol'zovanie</i> , 2021, 21, 53-60.	0.0	0