

# Madalena Dionisio

## List of Publications by Citations

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78  
papers

1,962  
citations

24  
h-index

42  
g-index

80  
ext. papers

2,230  
ext. citations

4.3  
avg, IF

4.5  
L-index

#	Paper	IF	Citations
78	Properties and thermal behavior of natural deep eutectic solvents. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 215, 534-540	6	180
77	Molecular motions in amorphous ibuprofen as studied by broadband dielectric spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 11087-99	3.4	138
76	Dissolution enhancement of active pharmaceutical ingredients by therapeutic deep eutectic systems. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2016</b> , 98, 57-66	5.7	108
75	Design of controlled release systems for THEDES-Therapeutic deep eutectic solvents, using supercritical fluid technology. <i>International Journal of Pharmaceutics</i> , <b>2015</b> , 492, 73-9	6.5	98
74	Crystallization of Poly(L-lactic acid) Probed with Dielectric Relaxation Spectroscopy. <i>Macromolecules</i> , <b>2006</b> , 39, 6513-6520	5.5	79
73	Relaxation Studies in PEO/PMMA Blends. <i>Macromolecules</i> , <b>2000</b> , 33, 1002-1011	5.5	79
72	Ion jelly: a tailor-made conducting material for smart electrochemical devices. <i>Chemical Communications</i> , <b>2008</b> , 5842-4	5.8	75
71	Amorphous Ibuprofen Confined in Nanostructured Silica Materials: A Dynamical Approach. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 4616-4623	3.8	67
70	Valorization of fatty acids-containing wastes and byproducts into short- and medium-chain length polyhydroxyalkanoates. <i>New Biotechnology</i> , <b>2016</b> , 33, 206-15	6.4	54
69	Origin of glassy dynamics in a liquid crystal studied by broadband dielectric and specific heat spectroscopy. <i>Physical Review E</i> , <b>2007</b> , 75, 061708	2.4	52
68	Influence of Crystallinity in Molecular Motions of Poly(L-lactic acid) Investigated by Dielectric Relaxation Spectroscopy. <i>Macromolecules</i> , <b>2008</b> , 41, 6419-6430	5.5	51
67	Glass Transition Dynamics of Poly(L-lactic acid) during Isothermal Crystallisation Monitored by Real-Time Dielectric Relaxation Spectroscopy Measurements. <i>Macromolecular Rapid Communications</i> , <b>2005</b> , 26, 1423-1427	4.8	50
66	Dielectric studies of the nematic mixture E7 on a hydroxypropylcellulose substrate. <i>Liquid Crystals</i> , <b>2002</b> , 29, 429-441	2.3	44
65	Influence of Nanoscale Confinement on the Molecular Mobility of Ibuprofen. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 13857-13868	3.8	41
64	Molecular motions in chitosan studied by dielectric relaxation spectroscopy. <i>Biomacromolecules</i> , <b>2004</b> , 5, 2073-8	6.9	41
63	Deep Eutectic Solvents as Suitable Electrolytes for Electrochromic Devices. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 2240-2249	8.3	38
62	Tunable Gas Sensing Gels by Cooperative Assembly. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1700803	15.6	36

61	Confinement and surface effects on the molecular dynamics of a nematic mixture investigated by dielectric relaxation spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 8227-35	3.4	30
60	Conversion of fat-containing waste from the margarine manufacturing process into bacterial polyhydroxyalkanoates. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 71, 68-73	7.9	29
59	Molecular mobility of nematic E7 confined to molecular sieves with a low filling degree. <i>Journal of Chemical Physics</i> , <b>2010</b> , 132, 224508	3.9	29
58	Ionic Liquids and Salts from Ibuprofen as Promising Innovative Formulations of an Old Drug. <i>ChemMedChem</i> , <b>2019</b> , 14, 907-911	3.7	27
57	Detection of Two Glass Transitions on Triton X-100 under Confinement. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 21516-21528	3.8	26
56	Dynamical characterization of a cellulose acetate polysaccharide. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 10939-53	3.4	26
55	Dielectric relaxation in poly(n-alkyl methacrylate)s and their mixtures with p-nitroaniline. <i>Polymer</i> , <b>1994</b> , 35, 1705-1713	3.9	26
54	Stabilizing Unstable Amorphous Menthol through Inclusion in Mesoporous Silica Hosts. <i>Molecular Pharmaceutics</i> , <b>2017</b> , 14, 3164-3177	5.6	22
53	Relaxation behavior of polyurethane networks with different composition and crosslinking density. <i>Polymer</i> , <b>2017</b> , 111, 83-90	3.9	21
52	Understanding the ion jelly conductivity mechanism. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 2664-76	3.4	21
51	Real-time monitoring of molecular dynamics of ethylene glycol dimethacrylate glass former. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 14209-17	3.4	21
50	Molecular dynamics of poly(ATRIF) homopolymer and poly(AN-co-ATRIF) copolymer investigated by dielectric relaxation spectroscopy. <i>European Polymer Journal</i> , <b>2011</b> , 47, 1429-1446	5.2	20
49	The enthalpy and entropy of cavity formation in liquids and Corresponding States Principle. <i>Canadian Journal of Chemistry</i> , <b>1990</b> , 68, 1937-1949	0.9	20
48	Water effect in the thermal and molecular dynamics behavior of poly(L-lactic acid). <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2007</b> , 88, 425-429	4.1	19
47	Characterization of a nematic mixture by reversed-phase HPLC and UV spectroscopy: an application to phase behaviour studies in liquid crystalline CO <sub>2</sub> systems. <i>Liquid Crystals</i> , <b>2007</b> , 34, 591-597	2.3	19
46	Ion jelly conductive properties using dicyanamide-based ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 9445-59	3.4	17
45	Temperature modulated DSC study of the kinetics of free radical isothermal network polymerization. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2007</b> , 90, 407-414	4.1	16
44	Dielectric characterization of neutralized and nonneutralized chitosan upon drying. <i>Biopolymers</i> , <b>2006</b> , 81, 149-59	2.2	16

43	Changes in molecular dynamics of the tri-ethylene glycol dimethacrylate monomer upon polymerization. <i>Journal of Non-Crystalline Solids</i> , <b>2005</b> , 351, 14-22	3.9	16
42	Changes in molecular dynamics upon formation of a polymer dispersed liquid crystal. <i>Physical Review E</i> , <b>2006</b> , 73, 061709	2.4	14
41	Accessing the Physical State and Molecular Mobility of Naproxen Confined to Nanoporous Silica Matrixes. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 14390-14401	3.8	13
40	A Surface Chemistry Experiment Using an Inexpensive Contact Angle Goniometer. <i>Journal of Chemical Education</i> , <b>2000</b> , 77, 59	2.4	13
39	Absorbed water in the cork structure. A study by thermally stimulated currents, dielectric relaxation spectroscopy, isothermal depolarization experiments and differential scanning calorimetry. <i>Journal of Materials Science</i> , <b>1995</b> , 30, 4394-4400	4.3	13
38	A further view on the calculation of the enthalpy of cavity formation in liquids. The influence of the cavity size and shape. <i>Canadian Journal of Chemistry</i> , <b>1988</b> , 66, 2894-2902	0.9	12
37	Occurrence of non-toxic bioemulsifiers during polyhydroxyalkanoate production by <i>Pseudomonas</i> strains valorizing crude glycerol by-product. <i>Bioresource Technology</i> , <b>2019</b> , 281, 31-40	11	11
36	Dipolar motions and ionic conduction in an ibuprofen derived ionic liquid. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 24108-20	3.6	11
35	Starch-based polymer/L composites formed by compression moulding and supercritical fluid foaming for self-supported conductive materials. <i>RSC Advances</i> , <b>2014</b> , 4, 17161	3.7	11
34	Phase transformations undergone by Triton X-100 probed by differential scanning calorimetry and dielectric relaxation spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 12336-47	3.4	11
33	Molecular dynamics of ethylene glycol dimethacrylate glass former: influence of different crystallization pathways. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 14196-208	3.4	11
32	Kinetics of free radical polymerization probed by dielectric relaxation spectroscopy under high conductivity conditions. <i>Polymer</i> , <b>2011</b> , 52, 1944-1953	3.9	11
31	Polymerization effects on molecular dynamics of n-ethylene glycol dimethacrylates followed by dielectric relaxation spectroscopy. <i>European Polymer Journal</i> , <b>2008</b> , 44, 155-170	5.2	11
30	Bulk dynamics of the thermoresponsive random copolymer of di(ethylene glycol) methyl ether methacrylate (MEO2MA) and oligo(ethylene glycol) methyl ether methacrylate (OEGMA). <i>Polymer</i> , <b>2018</b> , 148, 339-350	3.9	10
29	New method to analyze dielectric relaxation processes: a study on polymethacrylate series. <i>Polymer International</i> , <b>2013</b> , 62, 1744-1749	3.3	10
28	Dielectric and mechanical relaxation processes in methyl acrylate/tri-ethyleneglycol dimethacrylate copolymer networks. <i>European Polymer Journal</i> , <b>2007</b> , 43, 1516-1529	5.2	10
27	Molecular mobility and fragility in n-ethylene glycol dimethacrylate monomers. <i>Journal of Non-Crystalline Solids</i> , <b>2004</b> , 341, 60-67	3.9	10
26	Demonstration of the cryoprotective properties of the fucose-containing polysaccharide FucoPol. <i>Carbohydrate Polymers</i> , <b>2020</b> , 245, 116500	10.3	9

25	Probing radiation damage by alternated current conductivity as a method to characterize electron hopping conduction in DNA molecules. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 123702	3.4	9
24	Dipolar relaxation behaviour in poly(methyl methacrylate)/4-nitroaniline solid solutions. <i>Polymer International</i> , <b>1993</b> , 32, 145-151	3.3	9
23	Molecular motions in poly(vinyl acetate) and in poly(vinyl acetate)p-nitroaniline mixtures. <i>Polymer</i> , <b>1993</b> , 34, 4105-4110	3.9	9
22	A Process Engineering Approach to Improve Production of P(3HB) by <i>Cupriavidus necator</i> from Used Cooking Oil. <i>International Journal of Polymer Science</i> , <b>2019</b> , 2019, 1-7	2.4	8
21	Confinement effects on the dynamic behavior of poly(D,L-lactic acid) upon incorporation in $\beta$ -cyclodextrin. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 6972-81	3.4	8
20	Temperature Calibration in Dielectric Measurements. <i>Magyar Árvad Kélemlék</i> , <b>2001</b> , 65, 37-49	0	8
19	Alkaline Iodide-Based Deep Eutectic Solvents for Electrochemical Applications. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> ,	8.3	7
18	Dielectric relaxation studies and electro-optical measurements in poly(triethylene glycol dimethacrylate)/nematic E7 composites exhibiting an anchoring breaking transition. <i>Liquid Crystals</i> , <b>2008</b> , 35, 429-441	2.3	7
17	Ibuprofen incorporated into unmodified and modified mesoporous silica: From matrix synthesis to drug release. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 310, 110541	5.3	6
16	Intrinsically Electrochromic Deep Eutectic Solvents. <i>ChemistrySelect</i> , <b>2019</b> , 4, 1530-1534	1.8	5
15	Investigating the influence of morphology in the dynamical behavior of semicrystalline Triton X-100: insights in the detection/nondetection of the $\alpha$ process. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 9793-805	3.4	5
14	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
13	Self-standing elastomeric composites based on lithium ferrites and their dielectric behavior. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 224102	2.5	4
12	Self-sustained n-type memory transistor devices based on natural cellulose paper fibers. <i>Journal of Information Display</i> , <b>2009</b> , 10, 149-157	4.1	4
11	Comparing dielectric measurements on poly(ethylene terephthalate) at constant heating rates with isothermal measurements. <i>Polymer</i> , <b>1999</b> , 40, 2675-2679	3.9	4
10	Dielectric studies on the miscibility in poly(vinyl acetate)/ poly(ethyl methacrylate) blends <b>1996</b> , 60, 903-909		4
9	Electric Techniques. <i>Handbook of Thermal Analysis and Calorimetry</i> , <b>2008</b> , 5, 209-268		3
8	Molecular Motions in Amorphous Pharmaceuticals. <i>AIP Conference Proceedings</i> , <b>2008</b> ,	0	3

7	Cellulose-Based Solid Electrolyte Membranes Through Microwave Assisted Regeneration and Application in Electrochromic Displays. <i>Frontiers in Materials</i> , <b>2020</b> , 7,	4	3
6	Influence of solvent on the network structure formed by free radical polymerization of tri-ethylene glycol dimethacrylate: A dielectric study. <i>Journal of Non-Crystalline Solids</i> , <b>2010</b> , 356, 616-620	3.9	2
5	The N-Alkane Solvent Effect on the Dipole Moment of the Trans-1,2-Dibromocyclohexane. <i>Bulletin Des Sociétés Chimiques Belges</i> , <b>2010</b> , 99, 215-220		2
4	Poly(l-lactic acid)/lithium ferrite composites: Electrical properties. <i>Polymer</i> , <b>2021</b> , 230, 124100	3.9	2
3	Polyhydroxyalkanoates from a Mixed Microbial Culture: Extraction Optimization and Polymer Characterization. <i>Polymers</i> , <b>2022</b> , 14, 2155	4.5	2
2	Synthesis and characterisation of ionic liquid crystals based on substituted pyridinium cations. <i>Liquid Crystals</i> , 1-13	2.3	0
1	How Molecular Mobility, Physical State, and Drug Distribution Influence the Naproxen Release Profile from Different Mesoporous Silica Matrices. <i>Molecular Pharmaceutics</i> , <b>2021</b> , 18, 898-914	5.6	