NatÃ¡lia T T Correia

List of Publications by Year
in descending order

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82	2,228	249298	286692
papers	citations	26 h-index	43 g-index

82	82	82	2334
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ibuprofen incorporated into unmodified and modified mesoporous silica: From matrix synthesis to drug release. Microporous and Mesoporous Materials, 2021, 310, 110541.	2.2	10
2	How Molecular Mobility, Physical State, and Drug Distribution Influence the Naproxen Release Profile from Different Mesoporous Silica Matrices. Molecular Pharmaceutics, 2021, 18, 898-914.	2.3	3
3	Phase diagrams of temperature-responsive copolymers p(MEO2MA-co-OEGMA) in water. Polymer, 2021, 228, 123858.	1.8	4
4	Impact of chirality on the amorphous state of conglomerate forming systems: a case study of N-acetyl-Î±-methylbenzylamine. Physical Chemistry Chemical Physics, 2021, 23, 24282-24293.	1.3	2
5	Identification of an amorphous-amorphous two-step transformation in indomethacin embedded within mesoporous silica. Microporous and Mesoporous Materials, 2021, 328, 111502.	2.2	2
6	Trehalose or Sucrose: Which of the Two Should be Used for Stabilizing Proteins in the Solid State? A Dilemma Investigated by In Situ Micro-Raman and Dielectric Relaxation Spectroscopies During and After Freeze-Drying. Journal of Pharmaceutical Sciences, 2020, 109, 496-504.	1.6	42
7	Manipulating the physical states of confined ibuprofen in SBA-15 based drug delivery systems obtained by solid-state loading: Impact of the loading degree. Journal of Chemical Physics, 2020, 153, 154506.	1.2	17
8	Structure determination of a new cocrystal of carbamazepine and <scp>DL</scp>-tartaric acid by synchrotron powder X-ray diffraction. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 225-230.	0.2	5
9	Physical Stability and Viscoelastic Properties of Co-Amorphous Ezetimibe/Simvastatin System. Pharmaceuticals, 2019, 12, 40.	1.7	18
10	Affinity prediction computations and mechanosynthesis of carbamazepine based cocrystals. CrystEngComm, 2019, 21, 6991-7001.	1.3	26
11	Solid-state loading of organic molecular materials within mesoporous silica matrix: Application to ibuprofen. Microporous and Mesoporous Materials, 2019, 277, 203-207.	2.2	19
12	Molecular mobility of amorphous N-acetyl-Î±-methylbenzylamine and Debye relaxation evidenced by dielectric relaxation spectroscopy and molecular dynamics simulations. Physical Chemistry Chemical Physics, 2019, 21, 702-717.	1.3	23
13	Impact of chirality on peculiar ibuprofen molecular dynamics: hydrogen bonding organization and syn vs. anti carboxylic group conformations. Physical Chemistry Chemical Physics, 2018, 20, 29528-29538.	1.3	9
14	Bulk dynamics of the thermoresponsive random copolymer of di(ethylene glycol) methyl ether methacrylate (MEO2MA) and oligo(ethylene glycol) methyl ether methacrylate (OEGMA). Polymer, 2018, 148, 339-350.	1.8	13
15	Interactions underpinning the plasticization of a polymer matrix: a dynamic and structural analysis of DMP-plasticized cellulose acetate. Cellulose, 2017, 24, 487-503.	2.4	15
16	Stabilizing Unstable Amorphous Menthol through Inclusion in Mesoporous Silica Hosts. Molecular Pharmaceutics, 2017, 14, 3164-3177.	2.3	28
17	Accessing the Physical State and Molecular Mobility of Naproxen Confined to Nanoporous Silica Matrixes. Journal of Physical Chemistry C, 2016, 120, 14390-14401.	1.5	16
18	A comparative study of ibuprofen and ketoprofen glass-forming liquids by molecular dynamics simulations. Journal of Chemical Physics, 2015, 143, 164506.	1.2	9

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19	Local molecular organizations of ibuprofen, flurbiprofen and ketoprofen in the liquid phase: Insights from molecular dynamics simulations. Journal of Molecular Liquids, 2015, 205, 74-77.	2.3	10
20	Dipolar motions and ionic conduction in an ibuprofen derived ionic liquid. Physical Chemistry Chemical Physics, 2015, 17, 24108-24120.	1.3	20
21	Dynamics in Geometrical Confinement. Advances in Dielectrics, 2014, , .	1.2	60
22	Molecular Mobility of AmorphousS-Flurbiprofen: A Dielectric Relaxation Spectroscopy Approach. Molecular Pharmaceutics, 2014, 11, 112-130.	2.3	38
23	Starch-based polymerâ€"IL composites formed by compression moulding and supercritical fluid foaming for self-supported conductive materials. RSC Advances, 2014, 4, 17161.	1.7	11
24	A Stable Amorphous Statin: Solid-State NMR and Dielectric Studies on Dynamic Heterogeneity of Simvastatin. Molecular Pharmaceutics, 2014, 11, 727-737.	2.3	26
25	Ion Jelly Conductive Properties Using Dicyanamide-Based Ionic Liquids. Journal of Physical Chemistry B, 2014, 118, 9445-9459.	1.2	20
26	Influence of Nanoscale Confinement on the Molecular Mobility of Ibuprofen. Journal of Physical Chemistry C, 2014, 118, 13857-13868.	1.5	49
27	Investigating the Influence of Morphology in the Dynamical Behavior of Semicrystalline Triton X-100: Insights in the Detection/Nondetection of the Î±â€²-Process. Journal of Physical Chemistry B, 2013, 117, 9793-9805.	1.2	6
28	Detection of Two Glass Transitions on Triton X-100 under Confinement. Journal of Physical Chemistry C, 2013, 117, 21516-21528.	1.5	28
29	Solid-Solid Transformation in Racemic Ibuprofen. Pharmaceutical Research, 2013, 30, 81-89.	1.7	20
30	Role of pre-peaks in glass-forming liquids. , 2013, , .		0
31	Understanding the Ion Jelly Conductivity Mechanism. Journal of Physical Chemistry B, 2012, 116, 2664-2676.	1.2	25
32	Phase Transformations Undergone by Triton X-100 Probed by Differential Scanning Calorimetry and Dielectric Relaxation Spectroscopy. Journal of Physical Chemistry B, 2011, 115, 12336-12347.	1.2	15
33	Amorphous Ibuprofen Confined in Nanostructured Silica Materials: A Dynamical Approach. Journal of Physical Chemistry C, 2011, 115, 4616-4623.	1.5	76
34	Raman spectroscopy of racemic ibuprofen: Evidence of molecular disorder in phase II. International Journal of Pharmaceutics, 2011, 421, 45-52.	2.6	39
35	Molecular dynamics of poly(ATRIF) homopolymer and poly(AN-co-ATRIF) copolymer investigated by dielectric relaxation spectroscopy. European Polymer Journal, 2011, 47, 1429-1446.	2.6	21
36	Evidences of the fractional kinetics in temperature region: Evolution of extreme points in ibuprofen. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 2942-2966.	1.7	3

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37	Ab initio structure determination of phase II of racemic ibuprofen by X-ray powder diffraction. Acta Crystallographica Section B: Structural Science, 2010, 66, 76-80.	1.8	50
38	Debye Process in Ibuprofen Glass-Forming Liquid: Insights from Molecular Dynamics Simulation. Journal of Physical Chemistry B, 2010, 114, 11397-11402.	1.2	26
39	Dynamical Characterization of a Cellulose Acetate Polysaccharide. Journal of Physical Chemistry B, 2010, 114, 10939-10953.	1.2	31
40	Selfâ€sustained nâ€type memory transistor devices based on natural cellulose paper fibers. Journal of Information Display, 2009, 10, 149-157.	2.1	7
41	Slow Molecular Mobility in the Amorphous Solid State of Fructose: Fragility and Aging. Journal of Food Science, 2009, 74, E526-33.	1.5	10
42	Real-Time Monitoring of Molecular Dynamics of Ethylene Glycol Dimethacrylate Glass Former. Journal of Physical Chemistry B, 2009, 113, 14209-14217.	1.2	22
43	Molecular Dynamics of Ethylene Glycol Dimethacrylate Glass Former: Influence of Different Crystallization Pathways. Journal of Physical Chemistry B, 2009, 113, 14196-14208.	1.2	12
44	Evidence for a New Crystalline Phase of Racemic Ibuprofen. Pharmaceutical Research, 2008, 25, 2853-2858.	1.7	121
45	Molecular Motions in Amorphous Ibuprofen As Studied by Broadband Dielectric Spectroscopy. Journal of Physical Chemistry B, 2008, 112, 11087-11099.	1.2	152
46	Molecular Motions in Amorphous Pharmaceuticals. AIP Conference Proceedings, 2008, , .	0.3	3
47	Dielectric Study of the Slow Motional Processes in the Polymorphic States of Anhydrous Caffeine. Journal of Physical Chemistry B, 2006, 110, 8268-8273.	1.2	19
48	TSDC as a tool to study slow molecular mobility in condensed complex systems. Journal of Non-Crystalline Solids, 2006, 352, 4753-4757.	1.5	20
49	Molecular mobility, phase transitions and phase transformations in crystalline ortho- and meta-carboranes. Journal of Physics and Chemistry of Solids, 2005, 66, 832-838.	1.9	9
50	The determination of the activation energy of a relaxational process from thermally stimulated depolarisation currents (TSDC) data: an illustration with the Î²-relaxation of maltitol. Thermochimica Acta, 2005, 426, 185-190.	1.2	19
51	Ab initio structure determination of the high-temperature phase of anhydrous caffeine by X-ray powder diffraction. Acta Crystallographica Section B: Structural Science, 2005, 61, 329-334.	1.8	49
52	Slow relaxations in salicylsalicylic acid studied by dielectric techniques. Journal of Non-Crystalline Solids, 2005, 351, 3600-3606.	1.5	15
53	Plastic and Glassy Crystal States of Caffeine. Journal of Physical Chemistry B, 2005, 109, 16092-16098.	1.2	61
54	Vitrification, nucleation and crystallization in phenyl-2-hydroxybenzoate (salol) studied by Differential Scanning Calorimetry (DSC) and Thermally Stimulated Depolarisation Currents (TSDC). Physical Chemistry Chemical Physics, 2004, 6, 793.	1.3	21

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55	THE HIDDEN Î²-RELAXATION OF PENTACHLORONITROBENZENE AS STUDIED BY THERMALLY STIMULATED DEPOLARIZATION CURRENTS. Molecular Crystals and Liquid Crystals, 2003, 404, 75-83.	0.4	6
56	Ageing exploration of the energy landscape of a glass by the TSDC technique. Molecular Physics, 2002, 100, 2669-2677.	0.8	12
57	The orientational glass transition in pentachloronitrobenzene: a study by differential scanning calorimetry and thermally stimulated currents. Journal of Physics and Chemistry of Solids, 2002, 63, 1717-1722.	1.9	14
58	The activation energy at Tg and the fragility index of indomethacin, predicted from the influence of the heating rate on the temperature position and on the intensity of thermally stimulated depolarization current peak. Pharmaceutical Research, 2002, 19, 1879-1884.	1.7	24
59	The Deborah number, relaxation phenomena and thermally stimulated currents. Physical Chemistry Chemical Physics, 2001, 3, 5575-5578.	1.3	32
60	The Î²â˜Î± Branching ind-Sorbitol as Studied by Thermally Stimulated Depolarization Currents (TSDC). Journal of Physical Chemistry B, 2001, 105, 5663-5669.	1.2	44
61	Molecular mobility and fragility in indomethacin: a thermally stimulated depolarization current study. Pharmaceutical Research, 2001, 18, 1767-1774.	1.7	102
62	Fragility in side-chain liquid crystalline polymers: the TSDC contribution. Polymer, 2000, 41, 8625-8631.	1.8	22
63	Glass transition relaxation and fragility in a side-chain liquid crystalline polymer: a study by TSDC and DSC. Polymer, 2000, 41, 2907-2914.	1.8	43
64	Molecular motions in molecular glasses as studied by thermally stimulated depolarisation currents (TSDC). Chemical Physics, 2000, 252, 151-163.	0.9	54
65	Glass transition relaxation and fragility in the molecular glass forming m-toluidine: A study by thermally stimulated depolarization currents. Journal of Chemical Physics, 2000, 113, 3204-3211.	1.2	33
66	Relaxation Studies in PEO/PMMA Blends. Macromolecules, 2000, 33, 1002-1011.	2.2	87
67	On the cooperativity of the Î²-relaxation: A discussion based on dielectric relaxation and thermally stimulated depolarisation currents data. Physical Chemistry Chemical Physics, 2000, 2, 5712-5715.	1.3	65
68	Molecular motions and transitions in a poly(p-hydroxystyrene) derivative. Journal of Applied Polymer Science, 1999, 73, 1921-1926.	1.3	0
69	Dipolar motions and phase transitions in a side-chain polysiloxane liquid crystal. A study by thermally stimulated depolarization currents. Journal of Polymer Science, Part B: Polymer Physics, 1999, 37, 227-235.	2.4	20
70	Molecular motions in solid chloropentamethylbenzene: A thermally stimulated depolarisation currents study. Journal of the Chemical Society, Faraday Transactions, 1997, 93, 157-163.	1.7	20
71	Temperature Dependence of the Surface Behaviour of a Side-Chain Liquid Crystalline Polymer Probed by Contact Angle Measurements. Molecular Crystals and Liquid Crystals, 1997, 300, 45-64.	0.3	8
72	Estimation of the Surface Tension of a Solid: Application to a Liquid Crystalline Polymer. Journal of Colloid and Interface Science, 1997, 189, 361-369.	5.0	96

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73	Molecular Motions in a Molecular Crystal: Tetrachloroâ€mâ€Xylene. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1996, 100, 571-577.	0.9	6
74	Dipolar relaxation mechanisms in the vitreous state, in the glass transition region and in the mesophase, of a side chain polysiloxane liquid crystal. Liquid Crystals, 1996, 20, 201-217.	0.9	42
75	Molecular motions in a side-chain liquid-crystalline polymethacrylate. A thermally stimulated currents study of the dipolar relaxations in the vitreous and liquid-crystalline phases and at the glass transition. Macromolecular Chemistry and Physics, 1995, 196, 2289-2301.	1.1	9
76	The molecular relaxation mechanisms in cork as studied by thermally stimulated discharge currents. Journal of Materials Science, 1995, 30, 2035-2041.	1.7	16
77	Absorbed water in the cork structure. A study by thermally stimulated currents, dielectric relaxation spectroscopy, isothermal depolarization experiments and differential scanning calorimetry. Journal of Materials Science, 1995, 30, 4394-4400.	1.7	17
78	A thermally stimulated discharge currents study of the molecular motions in two polysiloxane side-chain liquid crystalline polymers. Journal of Polymer Science, Part B: Polymer Physics, 1995, 33, 269-277.	2.4	22
79	Dipolar Motions in Two Side-Chain Liquid-Crystalline Polysiloxanes Studied by the TSDC Technique. Molecular Crystals and Liquid Crystals, 1995, 261, 567-575.	0.3	3
80	Molecular motions in a rigid backbone polymer: poly(n-hexyl isocyanate). A Study by thermally stimulated currents. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 2003.	1.7	8
81	Molecular motions in poly(vinyl acetate) revisited. A thermally stimulated current study. Polymer International, 1994, 33, 293-302.	1.6	21
82	Molecular motions of side-chain liquid crystalline polymers in the liquid crystalline phase studied by the thermally stimulated currents technique. Polymer, 1994, 35, 3561-3564.	1.8	27