

Laurent Delbreilh

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6856258/laurent-delbreilh-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63

papers

1,141

citations

22

h-index

31

g-index

70

ext. papers

1,312

ext. citations

4.1

avg. IF

4.29

L-index

#	Paper	IF	Citations
63	Physical aging of multilayer polymer films Influence of layer thickness on enthalpy relaxation process, effect of confinement. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	1
62	Production of Reproducible Filament Batches for the Fabrication of 3D Printed Oral Forms. <i>Pharmaceutics</i> , 2021 , 13,	6.4	1
61	D-Sorbitol Physical Properties Effects on Filaments Used by 3D Printing Process for Personalized Medicine. <i>Molecules</i> , 2021 , 26,	4.8	1
60	Fragility of short-chain poly(lactic acid)s derivatives by combining dielectric spectroscopy and fast scanning calorimetry. <i>Journal of Polymer Science</i> , 2021 , 59, 1571-1577	2.4	3
59	On the improvement of thermo-mechanical behavior of carbon/polyphenylene sulfide laminated composites upon annealing at high temperature. <i>Composites Part B: Engineering</i> , 2021 , 216, 108858	10	3
58	Water-Induced Breaking of Interfacial Cohesiveness in a Poly(lactic acid)/Miscanthus Fibers Biocomposite. <i>Polymers</i> , 2021 , 13,	4.5	1
57	Molecular mobility in amorphous biobased copolyesters obtained with 2,5- and 2,4-furandicarboxylate acid. <i>Polymer</i> , 2021 , 213, 123225	3.9	4
56	Amorphous rigidification and cooperativity drop in semi-crystalline plasticized polylactide. <i>Polymer</i> , 2020 , 194, 122373	3.9	6
55	Physical and rheological properties of biodegradable poly(butylene succinate)/Alfa fiber composites. <i>Journal of Thermoplastic Composite Materials</i> , 2020 , 089270572090409	1.9	3
54	Highlight of primary and secondary relaxations in amorphous stereocomplex polylactides. <i>EXPRESS Polymer Letters</i> , 2020 , 14, 48-62	3.4	9
53	Low velocity impact of ABS after shot peening predefined layers during additive manufacturing. <i>Procedia Manufacturing</i> , 2019 , 34, 594-602	1.5	5
52	Determination of the equilibrium enthalpy of melting of two-phase semi-crystalline polymers by fast scanning calorimetry. <i>Thermochimica Acta</i> , 2019 , 677, 67-78	2.9	10
51	Polymer additive manufacturing of ABS structure: Influence of printing direction on mechanical properties. <i>Journal of Manufacturing Processes</i> , 2019 , 44, 288-298	5	41
50	Quantifying Polymer Chain Orientation in Strong and Tough Nanofibers with Low Crystallinity: Toward Next Generation Nanostructured Superfibers. <i>ACS Nano</i> , 2019 , 13, 4893-4927	16.7	32
49	Cooperativity Scaling and Free Volume in Plasticized Polylactide. <i>Macromolecules</i> , 2019 , 52, 6107-6115	5.5	6
48	Dielectric and calorimetric signatures of chain orientation in strong and tough ultrafine electrospun polyacrylonitrile. <i>Polymer</i> , 2019 , 178, 121638	3.9	2
47	Molecular Mobility in Amorphous Biobased Poly(ethylene 2,5-furandicarboxylate) and Poly(ethylene 2,4-furandicarboxylate). <i>Macromolecules</i> , 2018 , 51, 1937-1945	5.5	25

46	Investigation of Drug-Excipient Interactions in Bicletymol Amorphous Solid Dispersions. <i>Molecular Pharmaceutics</i> , 2018 , 15, 1112-1125	5.6	11
45	Relaxation dynamics in plasticized polylactide 2018 ,		3
44	Vitrification of two active pharmaceutical ingredients by fast scanning calorimetry: From structural relaxation to nucleation phenomena. <i>International Journal of Pharmaceutics</i> , 2018 , 536, 426-433	6.5	8
43	Enhancement of the Physical and Chemical Stability of Amorphous DrugPolymer Mixtures via Cryogenic Comilling. <i>Macromolecules</i> , 2018 , 51, 9382-9392	5.5	9
42	Reducing the Gap between the Activation Energy Measured in the Liquid and the Glassy States by Adding a Plasticizer to Polylactide. <i>ACS Omega</i> , 2018 , 3, 17092-17099	3.9	8
41	Microstructural properties and dielectric relaxations of partially fluorinated copolymers. <i>Polymer</i> , 2018 , 157, 50-58	3.9	0
40	Insights on the Physical State Reached by an Active Pharmaceutical Ingredient upon High-Energy Milling. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 5142-5150	3.4	9
39	Molecular Mobility of an Amorphous Chiral Pharmaceutical Compound: Impact of Chirality and Chemical Purity. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 7729-7740	3.4	8
38	Compactness/density assessment of newly-paved highway containing recycled asphalt pavement by means of non-nuclear method. <i>Construction and Building Materials</i> , 2017 , 154, 1151-1163	6.7	6
37	From a Three-Phase Model to a Continuous Description of Molecular Mobility in Semicrystalline Poly(hydroxybutyrate-co-hydroxyvalerate). <i>Macromolecules</i> , 2016 , 49, 4850-4861	5.5	43
36	Transformation of an active pharmaceutical ingredient upon high-energy milling: A process-induced disorder in Bicletymol. <i>International Journal of Pharmaceutics</i> , 2016 , 499, 67-73	6.5	21
35	Rock permittivity characterization and application of electromagnetic mixing models for density/compactness assessment of HMA by means of step-frequency radar. <i>Near Surface Geophysics</i> , 2016 , 14, 551-562	1.6	6
34	Molecular Relaxations in Supercooled Liquid and Glassy States of Amorphous Quinidine: Dielectric Spectroscopy and Density Functional Theory Approaches. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 7579-92	3.4	17
33	Correlated and cooperative motions in segmental relaxation: Influence of constitutive unit weight and intermolecular interactions. <i>Physical Review E</i> , 2016 , 94, 062502	2.4	3
32	Influence of crystallinity on the dielectric relaxations of poly(butylene succinate) and poly[(butylene succinate)-co-(butylene adipate)]. <i>European Polymer Journal</i> , 2016 , 84, 366-376	5.2	17
31	Quasi-isothermal and heat flow protocols from MT-DSC. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 121, 381-388	4.1	5
30	Combining Flash DSC, DSC and broadband dielectric spectroscopy to determine fragility. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 121, 453-461	4.1	32
29	Dynamic Heterogeneity and Cooperative Length Scale at Dynamic Glass Transition in Glass Forming Liquids. <i>Macromolecules</i> , 2015 , 48, 8219-8231	5.5	38

28	Segmental mobility and glass transition of poly(ethylene-vinyl acetate) copolymers: Is there a continuum in the dynamic glass transitions from PVAc to PE?. <i>Polymer</i> , 2015 , 76, 213-219	3.9	22
27	From monomers to self-assembled monolayers: the evolution of molecular mobility with structural confinements. <i>Soft Matter</i> , 2015 , 11, 719-31	3.6	8
26	Molecular mobility and physical ageing of plasticized poly(lactide). <i>Polymer Engineering and Science</i> , 2015 , 55, 858-865	2.3	35
25	Crystallization kinetics and molecular mobility of an amorphous active pharmaceutical ingredient: A case study with Bicalotymol. <i>International Journal of Pharmaceutics</i> , 2015 , 490, 248-57	6.5	23
24	Structural Dependence of the Molecular Mobility in the Amorphous Fractions of Polylactide. <i>Macromolecules</i> , 2014 , 47, 5186-5197	5.5	54
23	Anisotropic loss of toughness with physical aging of work toughened polycarbonate. <i>Polymer Engineering and Science</i> , 2014 , 54, 794-804	2.3	4
22	Fragility and molecular mobility in micro- and nano-layered PC/PMMA films. <i>Polymer</i> , 2014 , 55, 1546-1553	3.9	29
21	Thermal growth of organic supramolecular crystals with screw dislocations. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 112, 301-305	4.1	5
20	Dielectric relaxations in polyhydroxyalkanoates/organoclay nanocomposites. <i>European Polymer Journal</i> , 2013 , 49, 3434-3444	5.2	27
19	Vibro-Acoustic Behaviour in Biosourced Composites. <i>Macromolecular Symposia</i> , 2013 , 328, 56-63	0.8	
18	Molecular motions in functional self-assembled nanostructures. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 2303-33	6.3	44
17	Development of poly(isobutylene-co-isoprene)/reduced graphene oxide nanocomposites for barrier, dielectric and sensing applications. <i>Materials Letters</i> , 2013 , 96, 109-112	3.3	95
16	Self-assembly of organic-inorganic hybrid nanolayers: effect of endgroup polarity on nanostructures. <i>MATEC Web of Conferences</i> , 2013 , 3, 01016	0.3	1
15	Cooperativity length scale in nanocomposites: interfacial and confinement effects. <i>Physical Review E</i> , 2013 , 88, 042605	2.4	32
14	Study of the cooperativity at the glass transition temperature in PC/PMMA multilayered films: Influence of thickness reduction from macro- to nanoscale. <i>Polymer</i> , 2012 , 53, 1355-1361	3.9	62
13	High performance HTLNR/epoxy blend Phase morphology and thermo-mechanical properties. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 804-811	2.9	35
12	Supramolecular Nanolayer Reconfiguration after Molecular Intercalation. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 10351-10356	3.8	8
11	Temperature dependence of the characteristic length scale for glassy dynamics: combination of dielectric and specific heat spectroscopy. <i>Physical Review E</i> , 2010 , 81, 041805	2.4	56

10	Glass transition investigated by a combined protocol using thermostimulated depolarization currents and differential scanning calorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009 , 96, 865-871	4.1	22
9	Relaxation modes in glassy polymers: A temporal analysis by the simplex method of isothermal depolarisation current measurements. <i>Physica B: Condensed Matter</i> , 2009 , 404, 3679-3683	2.8	2
8	Fabrication and characterization of multi-filament copper matrix/polyethylene fibres composite wire. <i>Composites Science and Technology</i> , 2009 , 69, 1218-1224	8.6	6
7	Glass Transition Temperature and Value of the Relaxation Time at T _g in Vitreous Polymers. <i>Macromolecular Symposia</i> , 2007 , 258, 152-161	0.8	32
6	Study of poly(bisphenol A carbonate) relaxation kinetics at the glass transition temperature. <i>European Polymer Journal</i> , 2007 , 43, 249-254	5.2	39
5	Relaxation in poly-(ethylene terephthalate glycol)/montmorillonite nanocomposites studied by dielectric methods. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 4334-4338	3.9	25
4	Fragility of a thermoplastic polymer. Influence of main chain rigidity in polycarbonate. <i>Materials Letters</i> , 2005 , 59, 2881-2885	3.3	24
3	Effect of macromolecular orientation on the structural relaxation mechanisms of poly(ethylene terephthalate). <i>Polymer</i> , 2005 , 46, 3090-3095	3.9	41
2	Secondary Retardation/Relaxation Processes in Bisphenol A Polycarbonate: Thermostimulated Creep and Dynamic Mechanical Analysis Combined Investigations. <i>International Journal of Polymer Analysis and Characterization</i> , 2005 , 10, 41-56	1.7	7
1	Design of a thermostimulated creep measurement system using magnetic fields for polymers. <i>Review of Scientific Instruments</i> , 2004 , 75, 2271-2275	1.7	4