

Araceli Flores

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4643464/araceli-flores-publications-by-citations.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.

65
papers

1,513
citations

19
h-index

36
g-index

66
ext. papers

1,661
ext. citations

4.4
avg, IF

4.32
L-index

#	Paper	IF	Citations
65	Nanoindentation in polymer nanocomposites. <i>Progress in Materials Science</i> , 2015 , 67, 1-94	42.2	246
64	Polymorphism of Isotactic Poly(1-butene) as Revealed by Microindentation Hardness. 1. Kinetics of the Transformation. <i>Macromolecules</i> , 2002 , 35, 9069-9073	5.5	122
63	Crystallization of oriented amorphous poly(ethylene terephthalate) as revealed by X-ray diffraction and microhardness. <i>Polymer</i> , 1999 , 40, 6475-6484	3.9	110
62	From the glassy state to ordered polymer structures: A microhardness study. <i>Polymer</i> , 2009 , 50, 729-746	3.9	102
61	Polymorphism of isotactic polybutene-1 as revealed by microindentation hardness. Part II: correlations to microstructure. <i>Polymer</i> , 2003 , 44, 1641-1645	3.9	72
60	Microhardness studies of chain-extended PE: III. Correlation with yield stress and elastic modulus. <i>Polymer</i> , 2000 , 41, 5431-5435	3.9	70
59	Influence of the chemical functionalization of graphene on the properties of polypropylene-based nanocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 100, 31-39	8.4	42
58	Elastic properties of oriented polymers, blends and reinforced composites using the microindentation technique. <i>Colloid and Polymer Science</i> , 2002 , 280, 591-598	2.4	35
57	Nanoindentation Assessment of the Interphase in Carbon Nanotube-Based Hierarchical Composites. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 24193-24200	3.8	34
56	Microhardness-structure correlation of iPP/EPR blends: influence of molecular weight and EPR particle content. <i>Colloid and Polymer Science</i> , 1998 , 276, 786-793	2.4	30
55	Development of Advanced Elastomeric Conductive Nanocomposites by Selective Chemical Affinity of Modified Graphene. <i>Macromolecules</i> , 2016 , 49, 4948-4956	5.5	29
54	Depth-sensing indentation applied to polymers: A comparison between standard methods of analysis in relation to the nature of the materials. <i>European Polymer Journal</i> , 2013 , 49, 4047-4053	5.2	28
53	Creep behavior and elastic properties of annealed cold-drawn poly(ethylene terephthalate): The role of the smectic structure as a precursor of crystallization. <i>Journal of Applied Physics</i> , 2001 , 90, 6006-6010	2.5	27
52	Structure formation in poly(ethylene terephthalate) upon annealing as revealed by microindentation hardness and X-ray scattering. <i>Polymer</i> , 2005 , 46, 9404-9410	3.9	26
51	Layer structure formation in oriented poly(ethylene terephthalate) relating to micromechanical properties. <i>Polymer</i> , 2007 , 48, 542-555	3.9	23
50	Influence of filler structure on microhardness of carbon black/polymer composites. <i>Journal of Applied Polymer Science</i> , 2001 , 79, 90-95	2.9	22
49	Evaluating the Reinforcement of Inorganic Fullerene-like Nanoparticles in Thermoplastic Matrices by Depth-Sensing Indentation. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 20936-20943	3.8	20

48	The unit cell expansion of branched polyethylene as detected by Raman spectroscopy: an experimental and simulation approach. <i>Journal of Materials Science</i> , 2007 , 42, 1046-1049	4.3	20
47	Local mechanical properties of graphene/polyethylene-based nanocomposites by depth-sensing indentation. <i>European Polymer Journal</i> , 2016 , 74, 120-129	5.2	19
46	Finite size effects in multilayered polymer systems: Development of PET lamellae under physical confinement. <i>Polymer</i> , 2010 , 51, 4530-4539	3.9	19
45	Recrystallization studies on isotropic cold-crystallized PET: Influence of heating rate. <i>Polymer</i> , 2008 , 49, 965-973	3.9	18
44	Reversible changes in the solid state of HBA/HNA liquid crystalline copolyesters studied by X-ray diffraction. <i>Polymer</i> , 1993 , 34, 2915-2920	3.9	18
43	Nanostructure and crystallization phenomena in multilayered films of alternating iPP and PA6 semicrystalline polymers. <i>European Polymer Journal</i> , 2012 , 48, 86-96	5.2	17
42	A three-phase microstructural model to explain the mechanical relaxations of branched polyethylene: a DSC, WAXD and DMTA combined study. <i>Colloid and Polymer Science</i> , 2011 , 289, 257-268	2.4	17
41	Microindentation studies at the near surface of glassy polymers: Influence of molecular weight. <i>Journal of Applied Polymer Science</i> , 2004 , 93, 1951-1956	2.9	17
40	The role of the amorphous phase in the re-crystallization process of cold-crystallized poly(ethylene terephthalate). <i>European Physical Journal E</i> , 2008 , 27, 365-73	1.5	16
39	Crystallization kinetics of poly(ethylene naphthalene-2,6-dicarboxylate) as revealed by microhardness. <i>Polymer</i> , 2000 , 41, 7769-7772	3.9	16
38	Structural Features of Random PolyesterAmide Copolymers As Revealed by X-ray Scattering and Microindentation Hardness. <i>Macromolecules</i> , 2001 , 34, 8094-8100	5.5	16
37	Numerical-experimental method for the identification of plastic properties of polymers from microhardness tests. <i>Computational Materials Science</i> , 1998 , 11, 233-244	3.2	15
36	Nanostructure and Micromechanical Properties of Silica/Silicon Oxycarbide Porous Composites. <i>Journal of the American Ceramic Society</i> , 2005 , 87, 2093-2100	3.8	15
35	Control of the structure and properties of SEBS nanocomposites via chemical modification of graphene with polymer brushes. <i>European Polymer Journal</i> , 2017 , 97, 1-13	5.2	14
34	EVIDENCE OF A TRANSCRYSTALLINE INTERPHASE IN FIBER PE HOMOCOMPOSITES AS REVEALED BY MICRODIFFRACTION EXPERIMENTS USING SYNCHROTRON RADIATION. <i>Journal of Macromolecular Science - Physics</i> , 2001 , 40, 749-761	1.4	14
33	Electrospun polylactic acid non-woven mats incorporating silver nanoparticles. <i>Polymer Bulletin</i> , 2014 , 71, 2437-2452	2.4	13
32	Influence of rubber on the curing kinetics of DGEBA epoxy and the effect on the morphology and hardness of the composites. <i>Polymer Bulletin</i> , 2014 , 71, 1241-1262	2.4	13
31	The overlooked role of reduced graphene oxide in the reinforcement of hydrophilic polymers. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1177-1180	7.1	13

30	Confined crystallization of nanolayered poly(ethylene terephthalate) using X-ray diffraction methods. <i>Polymer</i> , 2012 , 53, 3986-3993	3.9	13
29	Novel aspects of microindentation hardness in very low crystallinity ethylene-1-octene copolymers: A model for deformation. <i>Polymer</i> , 2006 , 47, 5602-5609	3.9	13
28	Nanoindentation mapping of multiscale composites of graphene-reinforced polypropylene and carbon fibres. <i>Composites Science and Technology</i> , 2019 , 169, 151-157	8.6	13
27	Cold-drawn induced microstructure in PVC-bentonite nanocomposites. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 836-846	3.2	12
26	Nanostructural and electrical properties of functionally terminated self-assembled monolayers on silicon surfaces. <i>Journal of Applied Physics</i> , 2005 , 98, 054312	2.5	11
25	Recrystallization processes in cold-crystallized poly(ethylene terephthalate): Interplay between structure evolution and conformational relaxation. <i>Polymer</i> , 2011 , 52, 3155-3162	3.9	10
24	Novel aspects of microstructure of liquid crystalline copolyesters as studied by microhardness: influence of composition and temperature. <i>Polymer</i> , 1997 , 38, 5447-5453	3.9	10
23	Elastoplastic Properties of Starch-Based Materials as Revealed by Microindentation Measurements. <i>Journal of Macromolecular Science - Physics</i> , 2000 , 39, 749-759	1.4	10
22	Confinement-induced vitrification in polyethylene terephthalate. <i>Physical Review B</i> , 2007 , 75,	3.3	9
21	Graphene and Polyethylene: A Strong Combination Towards Multifunctional Nanocomposites. <i>Polymers</i> , 2020 , 12,	4.5	9
20	The influence of crystal formation on segmental mobility in polymers: hints from a statistical mechanical relaxation model. <i>Colloid and Polymer Science</i> , 2010 , 288, 365-376	2.4	8
19	Mechanical changes linked to embrittlement at the wear surface of polyethylene implants in hip joints. <i>Polymer</i> , 2000 , 41, 7635-7639	3.9	8
18	Nanostructure and viscoelasticity of layered silicate nanocomposite electrolyte supports. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 944-955	2.9	6
17	Kinetics of crystallization of biodegradable PHA copolymers: a combined X-ray scattering and micro-indentation study. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1301, 279		6
16	Non-woven Membranes Electrospun from Polylactic Acid Incorporating Silver Nanoparticles as Biocide. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1376, 78		6
15	Microhardness of sintered poly(4-hydroxybenzoate) and poly(2-hydroxy-6-naphtoate) homopolymers: Influence of pressure and morphology. <i>Journal of Materials Science Letters</i> , 1995 , 14, 1571-1573		6
14	Searching for effective compatibilizing agents for the preparation of poly(ether ether ketone)/graphene nanocomposites with enhanced properties. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 113, 180-188	8.4	5
13	Electrospun Nylon-Graphene Nanocomposites Synthesis and Microstructure. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1453, 7		4

12	Real-time WAXS study of induced orientation in a liquid crystalline polyester under the influence of a magnetic field. <i>Polymer</i> , 2003 , 44, 5909-5913	3.9	4
11	Density Fluctuations as Precursors of Crystallization in Polyamide 6,6 Using Time-Resolved X-Ray Scattering Techniques. <i>Journal of Macromolecular Science - Physics</i> , 2003 , 42, 653-661	1.4	4
10	NUMERICAL MODELING OF MICROHARDNESS TESTS FOR POLYMER MATERIALS*. <i>Journal of Macromolecular Science - Physics</i> , 2001 , 40, 763-774	1.4	4
9	Mapping the Mechanical Properties of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Banded Spherulites by Nanoindentation. <i>Polymers</i> , 2016 , 8,	4.5	4
8	Influence of microfillers on molecular alignment and tensile stress fracture in thermotropic liquid crystalline polymer. <i>Emerging Materials Research</i> , 2012 , 1, 146-156	1.4	3
7	Mechanical study of sintered aromatic polyesters as revealed by microindentation measurements. <i>Journal of Materials Science</i> , 1998 , 33, 3567-3571	4.3	3
6	Sequential Crystallization and Multicrystalline Morphology in PE-b-PEO-b-PCL-b-PLLA Tetrablock Quarterpolymers. <i>Macromolecules</i> , 2021 , 54, 7244-7257	5.5	2
5	Electrospinning of poly(3-hydroxybutyrate) scaffolds: morphology and aging. <i>Emerging Materials Research</i> , 2019 , 8, 127-136	1.4	1
4	Detection of ferroelectric to paraelectric phase transition in copolymers of vinylidene fluoride by magnetic susceptibility. <i>Acta Polymerica</i> , 1993 , 44, 83-86		1
3	Creep behaviour of elastomeric nanocomposites by flat punch indentation: Influence of graphene modification and content. <i>Composites Science and Technology</i> , 2020 , 198, 108311	8.6	0
2	Dependence of conformational relaxation on nanoconfinement in semicrystalline poly(ethylene terephthalate). <i>Mechanics of Materials</i> , 2013 , 67, 119-125	3.3	
1	A New Thermodynamic Approach to the Microindentation Process on Polymeric Crystals. <i>Polymer Journal</i> , 1999 , 31, 747-748	2.7	