

Andrzej Galeski

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8644930/andrzej-galeski-publications-by-citations.pdf>

Version: 2024-04-25

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.

120
papers

5,504
citations

40
h-index

72
g-index

129
ext. papers

6,061
ext. citations

4.7
avg, IF

5.96
L-index

#	Paper	IF	Citations
120	Strength and toughness of crystalline polymer systems. <i>Progress in Polymer Science</i> , 2003 , 28, 1643-1699	29.6	412
119	Poly(lactide)/montmorillonite nanocomposites and microcomposites prepared by melt blending: Structure and some physical properties. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 1497-1506	2.9	320
118	Confined crystallization of polyethylene oxide in nanolayer assemblies. <i>Science</i> , 2009 , 323, 757-60	33.3	279
117	Recent developments in nanocellulose-based biodegradable polymers, thermoplastic polymers, and porous nanocomposites. <i>Progress in Polymer Science</i> , 2018 , 87, 197-227	29.6	249
116	Plasticization of semicrystalline poly(l-lactide) with poly(propylene glycol). <i>Polymer</i> , 2006 , 47, 7178-7188	3.9	232
115	Plastic Deformation of Crystalline Polymers: The Role of Cavitation and Crystal Plasticity. <i>Macromolecules</i> , 2005 , 38, 9688-9697	5.5	220
114	Preparation and properties of compatibilized LDPE/organo-modified montmorillonite nanocomposites. <i>European Polymer Journal</i> , 2005 , 41, 1115-1122	5.2	217
113	Cavitation during deformation of semicrystalline polymers. <i>Progress in Polymer Science</i> , 2014 , 39, 921-958	29.6	196
112	Cavitation during Tensile Deformation of Polypropylene. <i>Macromolecules</i> , 2008 , 41, 2839-2851	5.5	153
111	Thermal stability of nanoclay polypropylene composites by simultaneous DSC and TGA. <i>Composites Science and Technology</i> , 2007 , 67, 3442-3447	8.6	131
110	Structure and Properties of Homogeneous Copolymers of Propylene and 1-Hexene. <i>Macromolecules</i> , 2005 , 38, 1232-1243	5.5	122
109	Critical assessment of overall crystallization kinetics theories and predictions. <i>Progress in Polymer Science</i> , 2006 , 31, 549-575	29.6	110
108	Crystalline and supermolecular structure of poly(lactide) in relation to the crystallization method. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 1386-1395	2.9	89
107	Plastic deformation behavior of β -phase isotactic polypropylene in plane-strain compression at room temperature. <i>Polymer</i> , 2006 , 47, 8562-8574	3.9	87
106	Compatibilization and properties of poly(ethylene terephthalate)/polyethylene blends based on recycled materials. <i>Macromolecular Chemistry and Physics</i> , 2002 , 203, 1473-1485	2.6	86
105	Spherulite nucleation in isotactic polypropylene based nanocomposites with montmorillonite under shear. <i>Polymer</i> , 2004 , 45, 4877-4892	3.9	85
104	Structure of polypropylene crystallized in confined nanolayers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 3380-3396	2.6	84

103	Crystallization of Polyethylene from Melt with Lowered Chain Entanglements. <i>Macromolecules</i> , 2000 , 33, 916-932	5.5	84
102	Tough blends of poly(lactide) and amorphous poly([R,S]-3-hydroxy butyrate) [morphology and properties. <i>European Polymer Journal</i> , 2013 , 49, 3630-3641	5.2	81
101	Plasticity of Semicrystalline Polymers. <i>Macromolecular Symposia</i> , 2010 , 294, 67-90	0.8	80
100	Plastic deformation of polyethylene crystals as a function of crystal thickness and compression rate. <i>Polymer</i> , 2005 , 46, 8926-8936	3.9	79
99	Cavitation and morphological changes in polypropylene deformed at elevated temperatures. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010 , 48, 1271-1280	2.6	72
98	Plastic yielding of semicrystalline polymers affected by amorphous phase. <i>International Journal of Plasticity</i> , 2013 , 41, 14-29	7.6	70
97	Initiation of Cavitation of Polypropylene during Tensile Drawing. <i>Macromolecules</i> , 2011 , 44, 20-28	5.5	69
96	A Structure of Copolymers of Propene and Hexene Isomorphous to Isotactic Poly(1-butene) Form I. <i>Macromolecules</i> , 2006 , 39, 5777-5781	5.5	67
95	Characterization of scrap poly(ethylene terephthalate). <i>European Polymer Journal</i> , 2000 , 36, 1875-1884	5.2	65
94	Plastic Deformation of the [Phase in Isotactic Polypropylene in Plane-Strain Compression. <i>Macromolecules</i> , 2006 , 39, 4811-4819	5.5	63
93	Changes in the morphology and orientation of bulk spherulitic polypropylene due to plane-strain compression. <i>Polymer</i> , 2000 , 41, 2271-2288	3.9	63
92	Crystal phase and crystallinity of polyamide 6/functionalized polyolefin blends. <i>Polymer</i> , 2000 , 41, 4923-4932	3.9	59
91	Low density polyethylene/montmorillonite nanocomposites for film blowing. <i>European Polymer Journal</i> , 2008 , 44, 270-286	5.2	57
90	Recycling of postconsumer poly(ethylene terephthalate) and high-density polyethylene by compatibilized blending. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 1473-1485	2.9	57
89	Cavitation during tensile drawing of annealed high density polyethylene. <i>Polymer</i> , 2010 , 51, 5771-5779	3.9	53
88	Controlling Cavitation of Semicrystalline Polymers during Tensile Drawing. <i>Macromolecules</i> , 2011 , 44, 7273-7287	5.5	52
87	Formation and transformation of smectic polypropylene nanodroplets. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 1795-1803	2.6	49
86	Phase structure and viscoelastic properties of compatibilized blends of PET and HDPE recyclates. <i>Journal of Applied Polymer Science</i> , 2001 , 82, 1423-1436	2.9	47

85	Poly lactide compositions. The influence of ageing on the structure, thermal and viscoelastic properties of PLA/calcium sulfate composites. <i>Polymer Degradation and Stability</i> , 2008 , 93, 925-931	4.7	45
84	Crystalline Lamellae Fragmentation during Drawing of Polypropylene. <i>Macromolecules</i> , 2015 , 48, 5310-5322	3.2	41
83	Shear-induced crystallization of isotactic polypropylene based nanocomposites with montmorillonite. <i>European Polymer Journal</i> , 2009 , 45, 88-101	5.2	41
82	Plastic deformation of amorphous poly(L/DL-lactide): structure evolution and physical properties. <i>Biomacromolecules</i> , 2007 , 8, 1836-43	6.9	41
81	Reactive mixing of PET and PET/PP blends with glycidyl methacrylate modified styrene-b-(ethylene-co-olefin) block copolymers. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 2201-2211	2.9	41
80	Rate mechanisms of plasticity in semi-crystalline polyethylene. <i>Polymer</i> , 2005 , 46, 11798-11805	3.9	40
79	Structure and properties of isotactic polypropylene oriented by rolling with side constraints. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 1413-1425	2.9	38
78	Orientation of PVDF and β crystals in nanolayered films. <i>Colloid and Polymer Science</i> , 2015 , 293, 1289-1297	3.4	37
77	Poly lactide compositions. II. Correlation between morphology and main properties of PLA/calcium sulfate composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007 , 45, 2770-2780	2.6	35
76	Reactive compatibilization and properties of recycled poly(ethylene terephthalate)/polyethylene blends. <i>Polymer Bulletin</i> , 2002 , 48, 67-74	2.4	33
75	Cavitation during Drawing of Crystalline Polymers. <i>Macromolecular Symposia</i> , 2010 , 298, 1-9	0.8	31
74	Morphology studies of multilayered HDPE/PS systems. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 597-612	3.2	30
73	Recycling of PET and Polyolefin Based Packaging Materials by Reactive Blending. <i>Polymer-Plastics Technology and Engineering</i> , 2004 , 43, 1711-1722		30
72	Morphology of undeformed and deformed polyethylene lamellar crystals. <i>Polymer</i> , 2010 , 51, 5780-5787	3.9	29
71	Orientation of polyoxymethylene by rolling with side constraints. <i>Polymer</i> , 2008 , 49, 303-316	3.9	29
70	All-polymer nanocomposites with nanofibrillar inclusions generated in situ during compounding. <i>Polymer</i> , 2013 , 54, 4617-4628	3.9	28
69	Morphology of nylon 6 spherulites in bulk. <i>Die Makromolekulare Chemie</i> , 1987 , 188, 1195-1204		26
68	Structure and characterization of random aliphatic-aromatic copolyester. <i>European Polymer Journal</i> , 2014 , 55, 86-97	5.2	25

67	Thermovision studies of plastic deformation and cavitation in polypropylene. <i>Mechanics of Materials</i> , 2013 , 67, 104-118	3.3	24
66	The crystallization of polypropylene with reduced density of entanglements. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017 , 55, 748-756	2.6	23
65	Investigation of Processability of Chain-Extended Polylactides During Melt Processing □ Compounding Conditions and Polymer Molecular Structure. <i>Macromolecular Materials and Engineering</i> , 2014 , 299, 307-318	3.9	23
64	Influence of thermal history on the nonisothermal crystallization of poly(L-lactide). <i>Journal of Applied Polymer Science</i> , 2007 , 105, 282-290	2.9	23
63	Cavitation and cavity-free deformation of filled crystalline polymer systems. <i>Macromolecular Symposia</i> , 2003 , 194, 47-62	0.8	21
62	PBAT green composites: Effects of kraft lignin particles on the morphological, thermal, crystalline, macro and micromechanical properties. <i>Polymer</i> , 2020 , 203, 122748	3.9	21
61	Transformation of polyethylene crystals by high-pressure annealing. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 1337-1350	2.9	20
60	Effect of poly(tetrafluoroethylene) nanofibers on foaming behavior of linear and branched polypropylenes. <i>European Polymer Journal</i> , 2017 , 88, 171-182	5.2	18
59	Physical state of the amorphous phase of polypropylene-influence on free volume and cavitation phenomenon. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016 , 54, 531-543	2.6	18
58	Strain hardening of molten thermoplastic polymers reinforced with poly(tetrafluoroethylene) nanofibers. <i>Journal of Rheology</i> , 2014 , 58, 589-605	4.1	18
57	Impact-modified polylactide/calcium sulfate composites: Structure and properties. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 4302-4315	2.9	16
56	High Pressure Crystallization of HDPE Droplets. <i>Macromolecules</i> , 2008 , 41, 8086-8094	5.5	16
55	Determination of stresses around beads in stressed epoxy resin by photoelasticity. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 1436-1444	2.9	16
54	Rolling of polymeric materials with side constraints. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 317, 21-27	5.3	16
53	Growth sites in space and time. <i>The Journal of Physical Chemistry</i> , 1985 , 89, 4700-4703		16
52	Ductility of polylactide composites reinforced with poly(butylene succinate) nanofibers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016 , 90, 218-224	8.4	15
51	Cavitation phenomenon and mechanical properties of partially disentangled polypropylene. <i>Polymer</i> , 2018 , 151, 15-26	3.9	15
50	Deformation of high-density polyethylene produced by rolling with side constraints. II. Mechanical properties of oriented bars. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 1405-1412	2.9	15

49	Oriented films from recycled poly(ethylene terephthalate)/recycled high-density polyethylene compatibilized blends. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 1486-1496	2.9	15
48	Ternary blends of high-density polyethylene/polystyrene/poly(ethylene/butylene-b-styrene) copolymers: Properties and orientation behavior in plane-strain compression. <i>Journal of Applied Polymer Science</i> , 2000 , 76, 1746-1761	2.9	15
47	Classification of aliphatic-butylene terephthalate copolyesters in relation to aliphatic/aromatic ratio. <i>Polymer</i> , 2017 , 113, 119-134	3.9	14
46	Study on the process of preparation of polypropylene nanocomposite with montmorillonite. <i>Polimery</i> , 2006 , 51, 374-381	3.4	13
45	Thermoplastic elastomers reinforced with poly(tetrafluoroethylene) nanofibers. <i>European Polymer Journal</i> , 2016 , 80, 58-69	5.2	13
44	Morphological alteration and strength of polyamide 6 subjected to high plane-strain compression. <i>Polymer</i> , 2006 , 47, 3171-3185	3.9	12
43	Deformation of the ultra-high molecular weight polyethylene melt in the plane-strain compression. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 4155-4168	2.9	11
42	Photoelastic studies of residual stresses around fillers embedded in an epoxy matrix. <i>Macromolecular Symposia</i> , 2001 , 169, 197-210	0.8	11
41	Nucleation and crystallization of random aliphatic-butylene terephthalate copolyester. <i>European Polymer Journal</i> , 2015 , 71, 289-303	5.2	10
40	Modeling of polymer crystallization in plates, pipes, and rods during cooling. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 1363-1372	2.9	10
39	Deformation of disentangled polypropylene crystalline grains into nanofibers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016 , 54, 1983-1994	2.6	10
38	generation of sustainable PLA-based nanocomposites by shear induced crystallization of nanofibrillar inclusions.. <i>RSC Advances</i> , 2019 , 9, 30370-30380	3.7	10
37	Modification of amorphous phase of semicrystalline polymers. <i>Polimery</i> , 2012 , 57, 433-440	3.4	9
36	Nanofibrillar green composites of polylactide/polyamide produced in situ due to shear induced crystallization. <i>Composites Communications</i> , 2020 , 22, 100512	6.7	9
35	Overall Crystallization Kinetics 2013 , 215-236		8
34	Texture and morphology of biaxially stretched poly(ethylene naphthalene-2,6-dicarboxylate). <i>Journal of Applied Polymer Science</i> , 2003 , 89, 2224-2232	2.9	8
33	Toughening of syndiotactic polypropylene with chalk. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	7
32	Nanofibrillar Green Composites of Polylactide/Polyhydroxyalkanoate Produced in Situ Due to Shear Induced Crystallization. <i>Polymers</i> , 2019 , 11,	4.5	7

31	Melt processing, mechanical, and fatigue crack propagation properties of reactively compatibilized blends of polyamide 6 and acrylonitrile-butadiene-styrene copolymer. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 740-754	2.9	7
30	Structure and molecular dynamics of multilayered polycarbonate/polystyrene films. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 4267-4274	2.9	7
29	Gauche-trans transitions in amorphous polymers under annealing: lattice model and polarized light scattering. <i>Physical Review E</i> , 2009 , 79, 041801	2.4	7
28	High-strength uniaxially drawn tapes from scrap recycled poly(ethylene terephthalate). <i>Journal of Applied Polymer Science</i> , 2002 , 86, 1426-1435	2.9	7
27	Morphology and Plastic Yielding of Ultrahigh Molecular Weight Polyethylene. <i>Macromolecules</i> , 2020 , 53, 6063-6077	5.5	7
26	Thermodynamics of inelastic deformation of amorphous and crystalline phases in linear polyethylene. <i>Polymer Science - Series A</i> , 2011 , 53, 775-786	1.2	6
25	Influence of the liberation of heat of fusion on the temperature near the crystallization front in polymers. <i>Polymer</i> , 1992 , 33, 3985-3989	3.9	6
24	Nanocomposites of polypropylene and polyethylene with montmorillonite type clays. <i>Polimery</i> , 2004 , 49, 240-247	3.4	6
23	Cavitation during tensile drawing of semicrystalline polymers. <i>Polimery</i> , 2011 , 56, 627-636	3.4	6
22	Formation of polypropylene nanofibers by solid state deformation during blending with molten polyethylene. <i>Polimery</i> , 2015 , 61, 664-666	3.4	6
21	Crystallization kinetics of polymer fibrous nanocomposites. <i>European Polymer Journal</i> , 2016 , 83, 181-201	5.2	6
20	Inhibited crystallization of polyhydroxybutyrate by blending with aliphatic-aromatic copolyester. <i>European Polymer Journal</i> , 2018 , 103, 133-144	5.2	5
19	Residual stresses in epoxy systems by 3-D photoelastic method. <i>Polymer Engineering and Science</i> , 1996 , 36, 2727-2735	2.3	5
18	Influence of compatibilizer type, polypropylene molecular weight and blending sequence on montmorillonite exfoliation in nanocomposites. <i>Polimery</i> , 2004 , 49, 52-55	3.4	5
17	Photoelastic method of three-dimensional stress determination around axisymmetric inclusions. <i>Polymer Engineering and Science</i> , 1996 , 36, 2736-2749	2.3	4
16	Compatibilization, processing and properties of post-consumer PET/polyolefin blends. <i>Polimery</i> , 2002 , 47, 491-499	3.4	4
15	Cavitation in high density polyethylene/Al ₂ O ₃ nanocomposites. <i>Composites Science and Technology</i> , 2020 , 199, 108323	8.6	4
14	Plasticization of Polylactide after Solidification: An Effectiveness and Utilization for Correct Interpretation of Thermal Properties. <i>Polymers</i> , 2020 , 12,	4.5	3

13	Morphology and texture development of uniaxially stretched poly(ethylene naphthalene-2,6-dicarboxylate). <i>Journal of Applied Polymer Science</i> , 2007 , 103, 395-401	2.9	3
12	Microstructural Evolution of Poly(εCaprolactone), Its Immiscible Blend, and In Situ Generated Nanocomposites. <i>Polymers</i> , 2020 , 12,	4.5	3
11	Crystallization of Polypropylene 2019 , 185-242		2
10	Plasticity of semicrystalline polyethylenes viewed through the prism of thermodynamics. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 4169-4176	2.9	2
9	New Possibilities in the Description of Overall Crystallization of Polymers. <i>Journal of Macromolecular Science - Physics</i> , 2003 , 42, 773-792	1.4	2
8	. <i>Macromolecules</i> ,	5.5	2
7	Ductility of polylactide composites reinforced with polyhydroxyalkanoates nanofibers 2018 ,		1
6	Design of hybrid PLA/PBS/POM composite based on In-Situ formation of interpenetrating fiber networks. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 151, 106667	8.4	1
5	Structure, processing and performance of ultra-high molecular weight polyethylene (IUPAC Technical Report). Part 2: crystallinity and supra molecular structure. <i>Pure and Applied Chemistry</i> , 2020 , 92, 1485-1501	2.1	1
4	Cavitation in strained polyethylene/nanographene nanocomposites. <i>Polymer</i> , 2021 , 232, 124158	3.9	0
3	Plastic deformation of polymer blends with crystallizable components. <i>Macromolecular Symposia</i> , 1994 , 78, 187-201	0.8	
2	Structure, processing and performance of ultra-high molecular weight polyethylene (IUPAC Technical Report). Part 3: deformation, wear and fracture. <i>Pure and Applied Chemistry</i> , 2020 , 92, 1503-1519		2.1
1	Structure, processing and performance of ultra-high molecular weight polyethylene (IUPAC Technical Report). Part 4: sporadic fatigue crack propagation. <i>Pure and Applied Chemistry</i> , 2020 , 92, 1521-1536		2.1