

Andrzej Galeski

List of Publications by Year in Descending Order

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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 | 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 |
| 119 | Cavitation in strained polyethylene/nanographene nanocomposites. <i>Polymer</i> , 2021 , 232, 124158 | 3.9 | 0 |
| 118 | Plasticization of Polylactide after Solidification: An Effectiveness and Utilization for Correct Interpretation of Thermal Properties. <i>Polymers</i> , 2020 , 12, | 4.5 | 3 |
| 117 | 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 |
| 116 | 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 |
| 115 | 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 | 1 |
| 114 | Nanofibrillar green composites of polylactide/polyamide produced in situ due to shear induced crystallization. <i>Composites Communications</i> , 2020 , 22, 100512 | 6.7 | 9 |
| 113 | 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 |
| 112 | Morphology and Plastic Yielding of Ultrahigh Molecular Weight Polyethylene. <i>Macromolecules</i> , 2020 , 53, 6063-6077 | 5.5 | 7 |
| 111 | Cavitation in high density polyethylene/Al ₂ O ₃ nanocomposites. <i>Composites Science and Technology</i> , 2020 , 199, 108323 | 8.6 | 4 |
| 110 | Microstructural Evolution of Poly(εCaprolactone), Its Immiscible Blend, and In Situ Generated Nanocomposites. <i>Polymers</i> , 2020 , 12, | 4.5 | 3 |
| 109 | Crystallization of Polypropylene 2019 , 185-242 | | 2 |
| 108 | Nanofibrillar Green Composites of Polylactide/Polyhydroxyalkanoate Produced in Situ Due to Shear Induced Crystallization. <i>Polymers</i> , 2019 , 11, | 4.5 | 7 |
| 107 | generation of sustainable PLA-based nanocomposites by shear induced crystallization of nanofibrillar inclusions.. <i>RSC Advances</i> , 2019 , 9, 30370-30380 | 3.7 | 10 |
| 106 | Inhibited crystallization of polyhydroxybutyrate by blending with aliphatic-aromatic copolyester. <i>European Polymer Journal</i> , 2018 , 103, 133-144 | 5.2 | 5 |
| 105 | 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 |
| 104 | Cavitation phenomenon and mechanical properties of partially disentangled polypropylene. <i>Polymer</i> , 2018 , 151, 15-26 | 3.9 | 15 |

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| 103 | Ductility of polylactide composites reinforced with polyhydroxyalkanoates nanofibers 2018 , | | 1 |
| 102 | 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 |
| 101 | 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 |
| 100 | Classification of aliphatic-butylene terephthalate copolyesters in relation to aliphatic/aromatic ratio. <i>Polymer</i> , 2017 , 113, 119-134 | 3.9 | 14 |
| 99 | 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 |
| 98 | Toughening of syndiotactic polypropylene with chalk. <i>Journal of Applied Polymer Science</i> , 2016 , 133, | 2.9 | 7 |
| 97 | 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 |
| 96 | 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 |
| 95 | Thermoplastic elastomers reinforced with poly(tetrafluoroethylene) nanofibers. <i>European Polymer Journal</i> , 2016 , 80, 58-69 | 5.2 | 13 |
| 94 | Crystallization kinetics of polymer fibrous nanocomposites. <i>European Polymer Journal</i> , 2016 , 83, 181-2015.2 | 5.2 | 6 |
| 93 | Orientation of PVDF and α -crystals in nanolayered films. <i>Colloid and Polymer Science</i> , 2015 , 293, 1289-1297.4 | 7.4 | 37 |
| 92 | Crystalline Lamellae Fragmentation during Drawing of Polypropylene. <i>Macromolecules</i> , 2015 , 48, 5310-5322 | 5.2 | 41 |
| 91 | Nucleation and crystallization of random aliphatic-butylene terephthalate copolyester. <i>European Polymer Journal</i> , 2015 , 71, 289-303 | 5.2 | 10 |
| 90 | Formation of polypropylene nanofibers by solid state deformation during blending with molten polyethylene. <i>Polimery</i> , 2015 , 61, 664-666 | 3.4 | 6 |
| 89 | 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 |
| 88 | Strain hardening of molten thermoplastic polymers reinforced with poly(tetrafluoroethylene) nanofibers. <i>Journal of Rheology</i> , 2014 , 58, 589-605 | 4.1 | 18 |
| 87 | Cavitation during deformation of semicrystalline polymers. <i>Progress in Polymer Science</i> , 2014 , 39, 921-958.9.6 | 9.6 | 196 |
| 86 | Structure and characterization of random aliphatic-aromatic copolyester. <i>European Polymer Journal</i> , 2014 , 55, 86-97 | 5.2 | 25 |

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| 85 | Overall Crystallization Kinetics 2013 , 215-236 | | 8 |
| 84 | All-polymer nanocomposites with nanofibrillar inclusions generated in situ during compounding. <i>Polymer</i> , 2013 , 54, 4617-4628 | 3.9 | 28 |
| 83 | Thermovision studies of plastic deformation and cavitation in polypropylene. <i>Mechanics of Materials</i> , 2013 , 67, 104-118 | 3.3 | 24 |
| 82 | 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 |
| 81 | Plastic yielding of semicrystalline polymers affected by amorphous phase. <i>International Journal of Plasticity</i> , 2013 , 41, 14-29 | 7.6 | 70 |
| 80 | Melt processing, mechanical, and fatigue crack propagation properties of reactively compatibilized blends of polyamide 6 and acrylonitrileButadieneStyrene copolymer. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 740-754 | 2.9 | 7 |
| 79 | Plasticity of semicrystalline polyethylenes viewed through the prism of thermodynamics. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 4169-4176 | 2.9 | 2 |
| 78 | Impact-modified polylactideCalcium sulfate composites: Structure and properties. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 4302-4315 | 2.9 | 16 |
| 77 | Structure and molecular dynamics of multilayered polycarbonate/polystyrene films. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 4267-4274 | 2.9 | 7 |
| 76 | 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 |
| 75 | Modification of amorphous phase of semicrystalline polymers. <i>Polimery</i> , 2012 , 57, 433-440 | 3.4 | 9 |
| 74 | Initiation of Cavitation of Polypropylene during Tensile Drawing. <i>Macromolecules</i> , 2011 , 44, 20-28 | 5.5 | 69 |
| 73 | Controlling Cavitation of Semicrystalline Polymers during Tensile Drawing. <i>Macromolecules</i> , 2011 , 44, 7273-7287 | 5.5 | 52 |
| 72 | 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 |
| 71 | Cavitation during tensile drawing of semicrystalline polymers. <i>Polimery</i> , 2011 , 56, 627-636 | 3.4 | 6 |
| 70 | Plasticity of Semicrystalline Polymers. <i>Macromolecular Symposia</i> , 2010 , 294, 67-90 | 0.8 | 80 |
| 69 | Cavitation during Drawing of Crystalline Polymers. <i>Macromolecular Symposia</i> , 2010 , 298, 1-9 | 0.8 | 31 |
| 68 | Cavitation during tensile drawing of annealed high density polyethylene. <i>Polymer</i> , 2010 , 51, 5771-5779 | 3.9 | 53 |

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|----|--|------|-----|
| 67 | Morphology of undeformed and deformed polyethylene lamellar crystals. <i>Polymer</i> , 2010 , 51, 5780-5787 | 3.9 | 29 |
| 66 | 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 |
| 65 | 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 |
| 64 | Shear-induced crystallization of isotactic polypropylene based nanocomposites with montmorillonite. <i>European Polymer Journal</i> , 2009 , 45, 88-101 | 5.2 | 41 |
| 63 | Confined crystallization of polyethylene oxide in nanolayer assemblies. <i>Science</i> , 2009 , 323, 757-60 | 33.3 | 279 |
| 62 | High Pressure Crystallization of HDPE Droplets. <i>Macromolecules</i> , 2008 , 41, 8086-8094 | 5.5 | 16 |
| 61 | 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 |
| 60 | Orientation of polyoxymethylene by rolling with side constraints. <i>Polymer</i> , 2008 , 49, 303-316 | 3.9 | 29 |
| 59 | Low density polyethylene/montmorillonite nanocomposites for film blowing. <i>European Polymer Journal</i> , 2008 , 44, 270-286 | 5.2 | 57 |
| 58 | Cavitation during Tensile Deformation of Polypropylene. <i>Macromolecules</i> , 2008 , 41, 2839-2851 | 5.5 | 153 |
| 57 | Plastic deformation of amorphous poly(L/DL-lactide): structure evolution and physical properties. <i>Biomacromolecules</i> , 2007 , 8, 1836-43 | 6.9 | 41 |
| 56 | 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 |
| 55 | 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 |
| 54 | Thermal stability of nanoclay polypropylene composites by simultaneous DSC and TGA. <i>Composites Science and Technology</i> , 2007 , 67, 3442-3447 | 8.6 | 131 |
| 53 | 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 |
| 52 | Plasticization of semicrystalline poly(L-lactide) with poly(propylene glycol). <i>Polymer</i> , 2006 , 47, 7178-7188 | 3.9 | 232 |
| 51 | Morphology studies of multilayered HDPE/PS systems. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 597-612 | 6.1 | 30 |
| 50 | Plastic Deformation of the β Phase in Isotactic Polypropylene in Plane-Strain Compression. <i>Macromolecules</i> , 2006 , 39, 4811-4819 | 5.5 | 63 |

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| 49 | 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 |
| 48 | Formation and transformation of smectic polypropylene nanodroplets. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 1795-1803 | 2.6 | 49 |
| 47 | Morphological alteration and strength of polyamide 6 subjected to high plane-strain compression. <i>Polymer</i> , 2006 , 47, 3171-3185 | 3.9 | 12 |
| 46 | 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 |
| 45 | Critical assessment of overall crystallization kinetics theories and predictions. <i>Progress in Polymer Science</i> , 2006 , 31, 549-575 | 29.6 | 110 |
| 44 | Study on the process of preparation of polypropylene nanocomposite with montmorillonite. <i>Polimery</i> , 2006 , 51, 374-381 | 3.4 | 13 |
| 43 | Structure and Properties of Homogeneous Copolymers of Propylene and 1-Hexene. <i>Macromolecules</i> , 2005 , 38, 1232-1243 | 5.5 | 122 |
| 42 | Plastic deformation of polyethylene crystals as a function of crystal thickness and compression rate. <i>Polymer</i> , 2005 , 46, 8926-8936 | 3.9 | 79 |
| 41 | Rate mechanisms of plasticity in semi-crystalline polyethylene. <i>Polymer</i> , 2005 , 46, 11798-11805 | 3.9 | 40 |
| 40 | Preparation and properties of compatibilized LDPE/organo-modified montmorillonite nanocomposites. <i>European Polymer Journal</i> , 2005 , 41, 1115-1122 | 5.2 | 217 |
| 39 | Plastic Deformation of Crystalline Polymers: The Role of Cavitation and Crystal Plasticity. <i>Macromolecules</i> , 2005 , 38, 9688-9697 | 5.5 | 220 |
| 38 | 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, 2201-2217 | 2.9 | 41 |
| 37 | Recycling of PET and Polyolefin Based Packaging Materials by Reactive Blending. <i>Polymer-Plastics Technology and Engineering</i> , 2004 , 43, 1711-1722 | | 30 |
| 36 | Structure of polypropylene crystallized in confined nanolayers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 3380-3396 | 2.6 | 84 |
| 35 | Spherulite nucleation in isotactic polypropylene based nanocomposites with montmorillonite under shear. <i>Polymer</i> , 2004 , 45, 4877-4892 | 3.9 | 85 |
| 34 | 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 |
| 33 | Nanocomposites of polypropylene and polyethylene with montmorillonite type clays. <i>Polimery</i> , 2004 , 49, 240-247 | 3.4 | 6 |
| 32 | 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 |

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|----|---|------|-----|
| 31 | Strength and toughness of crystalline polymer systems. <i>Progress in Polymer Science</i> , 2003 , 28, 1643-1699 | 29.6 | 412 |
| 30 | New Possibilities in the Description of Overall Crystallization of Polymers. <i>Journal of Macromolecular Science - Physics</i> , 2003 , 42, 773-792 | 1.4 | 2 |
| 29 | Cavitation and cavity-free deformation of filled crystalline polymer systems. <i>Macromolecular Symposia</i> , 2003 , 194, 47-62 | 0.8 | 21 |
| 28 | 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 |
| 27 | Transformation of polyethylene crystals by high-pressure annealing. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 1337-1350 | 2.9 | 20 |
| 26 | 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 |
| 25 | Crystalline and supermolecular structure of polylactide in relation to the crystallization method. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 1386-1395 | 2.9 | 89 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | 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 |
| 19 | 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 |
| 18 | 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 |
| 17 | Reactive compatibilization and properties of recycled poly(ethylene terephthalate)/polyethylene blends. <i>Polymer Bulletin</i> , 2002 , 48, 67-74 | 2.4 | 33 |
| 16 | Compatibilization, processing and properties of post-consumer PET/polyolefin blends. <i>Polimery</i> , 2002 , 47, 491-499 | 3.4 | 4 |
| 15 | 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 |
| 14 | 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 |

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|----|--|-----|----|
| 13 | Photoelastic studies of residual stresses around fillers embedded in an epoxy matrix. <i>Macromolecular Symposia</i> , 2001 , 169, 197-210 | 0.8 | 11 |
| 12 | 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 |
| 11 | Characterization of scrap poly(ethylene terephthalate). <i>European Polymer Journal</i> , 2000 , 36, 1875-1884 | 5.2 | 65 |
| 10 | 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 |
| 9 | Crystal phase and crystallinity of polyamide 6/functionalized polyolefin blends. <i>Polymer</i> , 2000 , 41, 4923-4932 | 4.9 | 59 |
| 8 | Crystallization of Polyethylene from Melt with Lowered Chain Entanglements. <i>Macromolecules</i> , 2000 , 33, 916-932 | 5.5 | 84 |
| 7 | Residual stresses in epoxy systems by 3-D photoelastic method. <i>Polymer Engineering and Science</i> , 1996 , 36, 2727-2735 | 2.3 | 5 |
| 6 | Photoelastic method of three-dimensional stress determination around axisymmetric inclusions. <i>Polymer Engineering and Science</i> , 1996 , 36, 2736-2749 | 2.3 | 4 |
| 5 | Plastic deformation of polymer blends with crystallizable components. <i>Macromolecular Symposia</i> , 1994 , 78, 187-201 | 0.8 | |
| 4 | 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 |
| 3 | Morphology of nylon 6 spherulites in bulk. <i>Die Makromolekulare Chemie</i> , 1987 , 188, 1195-1204 | | 26 |
| 2 | Growth sites in space and time. <i>The Journal of Physical Chemistry</i> , 1985 , 89, 4700-4703 | | 16 |
| 1 | . <i>Macromolecules</i> , | 5.5 | 2 |