

Tiberio A. Ezquerra

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255
papers

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citations

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h-index

72
g-index

261
ext. papers

7,842
ext. citations

4.3
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L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 255 | Structure Development during Shear Flow-Induced Crystallization of i-PP: In-Situ Small-Angle X-ray Scattering Study. <i>Macromolecules</i> , 2000 , 33, 9385-9394 | 5.5 | 434 |
| 254 | The Importance of Interbands on the Interpretation of the Raman Spectrum of Graphene Oxide. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 10123-10129 | 3.8 | 306 |
| 253 | Shear-induced crystallization of isotactic polypropylene with different molecular weight distributions: in situ small- and wide-angle X-ray scattering studies. <i>Polymer</i> , 2001 , 42, 5247-5256 | 3.9 | 264 |
| 252 | Broadband ac conductivity of conductor-polymer composites. <i>Physical Review B</i> , 1998 , 57, 2286-2294 | 3.3 | 221 |
| 251 | Low Percolation Threshold in Nanocomposites Based on Oxidized Single Wall Carbon Nanotubes and Poly(butylene terephthalate). <i>Macromolecules</i> , 2004 , 37, 7669-7672 | 5.5 | 183 |
| 250 | Overall performance of natural rubber/graphene nanocomposites. <i>Composites Science and Technology</i> , 2012 , 73, 40-46 | 8.6 | 153 |
| 249 | Confinement-induced one-dimensional ferroelectric polymer arrays. <i>Nano Letters</i> , 2010 , 10, 1472-6 | 11.5 | 134 |
| 248 | Structure-dynamics relationship in crystallizing poly(ethylene terephthalate) as revealed by time-resolved X-ray and dielectric methods. <i>Polymer</i> , 2004 , 45, 3953-3959 | 3.9 | 112 |
| 247 | Alternating-current electrical properties of graphite, carbon-black and carbon-fiber polymeric composites. <i>Composites Science and Technology</i> , 2001 , 61, 903-909 | 8.6 | 100 |
| 246 | Precursors of crystallization via density fluctuations in stiff-chain polymers. <i>Physical Review E</i> , 1996 , 54, 989-992 | 2.4 | 96 |
| 245 | Laser induced periodic surface structures on polymer films: From fundamentals to applications. <i>European Polymer Journal</i> , 2015 , 73, 162-174 | 5.2 | 91 |
| 244 | Broad-Band Electrical Conductivity of High Density Polyethylene Nanocomposites with Carbon Nanoadditives: Multiwall Carbon Nanotubes and Carbon Nanofibers. <i>Macromolecules</i> , 2008 , 41, 7090-7097 | 5.5 | 90 |
| 243 | Molecular dynamics of the alpha relaxation during crystallization of a glassy polymer: A real-time dielectric spectroscopy study. <i>Physical Review B</i> , 1994 , 50, 6023-6031 | 3.3 | 83 |
| 242 | Molecular Dynamics of Natural Rubber/Layered Silicate Nanocomposites As Studied by Dielectric Relaxation Spectroscopy. <i>Macromolecules</i> , 2010 , 43, 643-651 | 5.5 | 82 |
| 241 | Segmental Dynamics of Semicrystalline Poly(vinylidene fluoride) Nanorods. <i>Macromolecules</i> , 2009 , 42, 5395-5401 | 5.5 | 81 |
| 240 | Assessment of femtosecond laser induced periodic surface structures on polymer films. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 11287-98 | 3.6 | 80 |
| 239 | Influence of cross-linking on the segmental dynamics in model polymer networks. <i>Journal of Chemical Physics</i> , 2000 , 113, 447-452 | 3.9 | 77 |

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| 238 | Electrical transport in polyethylene-graphite composite materials. <i>Synthetic Metals</i> , 1991 , 41, 915-920 | 3.6 | 73 |
| 237 | Electrical conductivity of polyethylene-carbon-fibre composites mixed with carbon black. <i>Journal of Materials Science</i> , 1988 , 23, 1411-1415 | 4.3 | 72 |
| 236 | Assessment and formation mechanism of laser-induced periodic surface structures on polymer spin-coated films in real and reciprocal space. <i>Langmuir</i> , 2011 , 27, 5596-606 | 4 | 71 |
| 235 | Influence of Shear on the Templated Crystallization of Poly(butylene terephthalate)/Single Wall Carbon Nanotube Nanocomposites. <i>Macromolecules</i> , 2008 , 41, 844-851 | 5.5 | 70 |
| 234 | Evidence of early stage precursors of polymer crystals by dielectric spectroscopy. <i>Physical Review Letters</i> , 2007 , 98, 037801 | 7.4 | 70 |
| 233 | Influence of the Crystalline Structure in the Segmental Mobility of Semicrystalline Polymers: Poly(ethylene naphthalene-2,6-dicarboxylate). <i>Macromolecules</i> , 2000 , 33, 9367-9375 | 5.5 | 70 |
| 232 | Charge transport in polyethylene-graphite composite materials. <i>Advanced Materials</i> , 1990 , 2, 597-600 | 24 | 70 |
| 231 | Real time dielectric relaxation of poly(ethylene terephthalate) during crystallization from the glassy state. <i>Polymer</i> , 1994 , 35, 2600-2606 | 3.9 | 69 |
| 230 | Physicochemical modifications accompanying UV laser induced surface structures on poly(ethylene terephthalate) and their effect on adhesion of mesenchymal cells. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 17551-9 | 3.6 | 64 |
| 229 | New conducting polymers from 3-alkylpyrroles. <i>Synthetic Metals</i> , 1989 , 28, 177-181 | 3.6 | 62 |
| 228 | Cold Crystallization of Poly(trimethylene terephthalate) As Revealed by Simultaneous WAXS, SAXS, and Dielectric Spectroscopy. <i>Macromolecules</i> , 2010 , 43, 671-679 | 5.5 | 61 |
| 227 | Inhibition of the Crystallization in Nanofilms of Poly(3-hydroxybutyrate). <i>Macromolecules</i> , 2004 , 37, 5653-5659 | 5.6 | 60 |
| 226 | Ultraviolet and infrared femtosecond laser induced periodic surface structures on thin polymer films. <i>Applied Physics Letters</i> , 2012 , 100, 041106 | 3.4 | 58 |
| 225 | Correlation lengths, porosity and water adsorption in TiO ₂ thin films prepared by glancing angle deposition. <i>Nanotechnology</i> , 2012 , 23, 205701 | 3.4 | 57 |
| 224 | Influence of preparation procedure on the conductivity and transparency of SWCNT-polymer nanocomposites. <i>Composites Science and Technology</i> , 2009 , 69, 1867-1872 | 8.6 | 57 |
| 223 | Molecular dynamics and microstructure development during cold crystallization in poly(ether-ether-ketone) as revealed by real time dielectric and x-ray methods. <i>Journal of Chemical Physics</i> , 2001 , 115, 3804-3813 | 3.9 | 57 |
| 222 | Order and segmental mobility during polymer crystallization: Poly(butylene isophthalate). <i>Polymer</i> , 2006 , 47, 1281-1290 | 3.9 | 53 |
| 221 | Structure and properties of ferroelectric copolymers of poly(vinylidene fluoride). <i>Advances in Polymer Science</i> , 1993 , 1-48 | 1.3 | 53 |

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| 220 | Restricted Dynamics in Poly(ether ether ketone) As Revealed by Incoherent Quasielastic Neutron Scattering and Broad-Band Dielectric Spectroscopy. <i>Macromolecules</i> , 1999 , 32, 2301-2308 | 5.5 | 51 |
| 219 | Dielectric relaxation of amorphous random copolymers of poly(ethylene terephthalate) and poly(ethylene-2,6-naphthalene dicarboxylate). <i>Acta Polymerica</i> , 1993 , 44, 18-24 | | 50 |
| 218 | The thermal behaviour of low-molecular-weight poly(3-decylthiophene). <i>Die Makromolekulare Chemie</i> , 1993 , 194, 817-827 | | 49 |
| 217 | Preparation and characterization of nanocomposites based on COOH functionalized multi-walled carbon nanotubes and on poly(trimethylene terephthalate). <i>EXPRESS Polymer Letters</i> , 2011 , 5, 977-995 | 3.4 | 49 |
| 216 | Synergetic effect of single-walled carbon nanotubes (SWCNT) and graphene nanoplatelets (GNP) in electrically conductive PTT-block-PTMO hybrid nanocomposites prepared by in situ polymerization. <i>Composites Science and Technology</i> , 2015 , 118, 72-77 | 8.6 | 46 |
| 215 | Grazing-incidence small-angle X-ray scattering of soft and hard nanofabricated gratings. <i>Journal of Applied Crystallography</i> , 2012 , 45, 1038-1045 | 3.8 | 46 |
| 214 | Deformation mechanisms in polylactic acid/natural rubber/organoclay bionanocomposites as revealed by synchrotron X-ray scattering. <i>Soft Matter</i> , 2012 , 8, 8990 | 3.6 | 46 |
| 213 | Understanding crystallization features of P(VDF-TrFE) copolymers under confinement to optimize ferroelectricity in nanostructures. <i>Nanoscale</i> , 2013 , 5, 6006-12 | 7.7 | 46 |
| 212 | Electrical conductivity of poly(ethylene terephthalate)/expanded graphite nanocomposites prepared by in situ polymerization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012 , 50, 1645-1652 | 2.6 | 45 |
| 211 | Effects of Strain-Induced Crystallization on the Segmental Dynamics of Vulcanized Natural Rubber. <i>Macromolecules</i> , 2011 , 44, 6574-6580 | 5.5 | 45 |
| 210 | Laser-induced periodic surface structures nanofabricated on poly(trimethylene terephthalate) spin-coated films. <i>Langmuir</i> , 2012 , 28, 7938-45 | 4 | 44 |
| 209 | Influence of single-walled carbon nanotubes on the effective elastic constants of poly(ethylene terephthalate). <i>Composites Science and Technology</i> , 2010 , 70, 284-290 | 8.6 | 44 |
| 208 | On the origin of the multiple melting behavior in poly(ethylene naphthalene-2,6-dicarboxylate): Microstructural study as revealed by differential scanning calorimetry and X-ray scattering. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000 , 38, 1167-1182 | 2.6 | 43 |
| 207 | Molecular dynamics of natural rubber as revealed by dielectric spectroscopy: The role of natural crosslinking. <i>Soft Matter</i> , 2010 , 6, 3636 | 3.6 | 42 |
| 206 | Unveiling the Far Infrared-to-Ultraviolet Optical Properties of Bismuth for Applications in Plasmonics and Nanophotonics. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 3511-3521 | 3.8 | 41 |
| 205 | Templating of crystallization and shear-induced self-assembly of single-wall carbon nanotubes in a polymer-nanocomposite. <i>Polymer</i> , 2006 , 47, 341-345 | 3.9 | 41 |
| 204 | Light-Responsive Self-Assembled Materials by Supramolecular Post-Functionalization via Hydrogen Bonding of Amphiphilic Block Copolymers. <i>Macromolecules</i> , 2016 , 49, 7825-7836 | 5.5 | 41 |
| 203 | Laser-Induced Periodic Surface Structures on Conjugated Polymers: Poly(3-hexylthiophene). <i>Macromolecules</i> , 2015 , 48, 4024-4031 | 5.5 | 40 |

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| 202 | Nanofabrication of tailored surface structures in dielectrics using temporally shaped femtosecond-laser pulses. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 6613-9 | 9.5 | 39 |
| 201 | Influence of water on the dielectric behaviour of chitosan films. <i>Colloid and Polymer Science</i> , 1997 , 275, 419-425 | 2.4 | 39 |
| 200 | Structure-dynamics relationships of the β -relaxation in flexible copolyesters during crystallization as revealed by real-time methods. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1999 , 37, 37-49 | 2.6 | 39 |
| 199 | Quantitative mapping of mechanical properties in polylactic acid/natural rubber/organoclay bionanocomposites as revealed by nanoindentation with atomic force microscopy. <i>Composites Science and Technology</i> , 2014 , 104, 34-39 | 8.6 | 37 |
| 198 | Role of Vulcanizing Additives on the Segmental Dynamics of Natural Rubber. <i>Macromolecules</i> , 2012 , 45, 1070-1075 | 5.5 | 37 |
| 197 | Novel High Molecular Weight Aromatic Fluorinated Polymers from One-Pot, Metal-Free Step Polymerizations. <i>Macromolecules</i> , 2013 , 46, 7245-7256 | 5.5 | 36 |
| 196 | On the percolative behaviour of polymeric insulator-conductor composites: polyethylene oxide-polyppyrrrole. <i>Journal of Physics C: Solid State Physics</i> , 1988 , 21, 927-941 | | 36 |
| 195 | Effect of chemical structure on the subglass relaxation dynamics of biobased polyesters as revealed by dielectric spectroscopy: 2,5-furandicarboxylic acid vs. trans-1,4-cyclohexanedicarboxylic acid. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 15696-15706 | 3.6 | 35 |
| 194 | The thermal behaviour of poly(3-octylthienylene) synthesized by an Ni-based catalyst: DSC, optical microscopy and XRD analyses. <i>European Polymer Journal</i> , 1996 , 32, 1097-1103 | 5.2 | 34 |
| 193 | A.C. conductivity measurements in polymeric insulator conductor systems. <i>Synthetic Metals</i> , 1989 , 28, 83-88 | 3.6 | 34 |
| 192 | Influence of the vulcanization system on the dynamics and structure of natural rubber: Comparative study by means of broadband dielectric spectroscopy and solid-state NMR spectroscopy. <i>European Polymer Journal</i> , 2015 , 68, 90-103 | 5.2 | 33 |
| 191 | Fully Biobased Superpolymers of 2,5-Furandicarboxylic Acid with Different Functional Properties: From Rigid to Flexible, High Performant Packaging Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 9558-9568 | 8.3 | 33 |
| 190 | Gold coatings on polymer laser induced periodic surface structures: assessment as substrates for surface-enhanced Raman scattering. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 15699-705 | 3.6 | 33 |
| 189 | Chain Arrangement and Glass Transition Temperature Variations in Polymer Nanoparticles under 3D-Confinement. <i>Macromolecules</i> , 2013 , 46, 4698-4705 | 5.5 | 32 |
| 188 | Crystallization of poly(aryl ether ketone) polymers as revealed by time domain dielectric spectroscopy. <i>Polymer</i> , 1997 , 38, 5793-5800 | 3.9 | 31 |
| 187 | In-Situ Simultaneous Small- and Wide-Angle X-ray Scattering Study of Poly(ether ester) during Cold Drawing. <i>Macromolecules</i> , 2003 , 36, 4827-4832 | 5.5 | 31 |
| 186 | Percolation threshold of conductive polycarbonate/carbon composites as revealed by electron microscopy. <i>Journal of Materials Science Letters</i> , 1986 , 5, 1065-1066 | | 31 |
| 185 | Structural organization of iron oxide nanoparticles synthesized inside hybrid polymer gels derived from alginate studied with small-angle X-ray scattering. <i>Langmuir</i> , 2009 , 25, 13212-8 | 4 | 30 |

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| 184 | Molecular dynamics in PVDF/PVA blends as revealed by dielectric loss spectroscopy. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007 , 45, 1653-1661 | 2.6 | 30 |
| 183 | On the role of the β process as precursor of the β relaxation in aromatic polyesters. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 4649-4655 | 3.9 | 29 |
| 182 | Hydrogen-Bond Network Breakage as a First Step to Isopropanol Crystallization. <i>Physical Review Letters</i> , 2004 , 93, | 7.4 | 29 |
| 181 | Structure and morphology of thin films of linear aliphatic polyesters prepared by spin-coating. <i>Langmuir</i> , 2010 , 26, 10731-7 | 4 | 28 |
| 180 | Small-angle X-ray scattering of single-wall carbon nanotubes dispersed in molten poly(ethylene terephthalate). <i>Composites Science and Technology</i> , 2006 , 66, 2629-2632 | 8.6 | 28 |
| 179 | Influence of Liquid Crystalline Order on the Dielectric Relaxation of Random Copolyesters of PET, PEN, and PHB. <i>Macromolecules</i> , 1996 , 29, 5002-5009 | 5.5 | 28 |
| 178 | Influence of Fragility on Polymer Cold Crystallization. <i>Macromolecules</i> , 2010 , 43, 29-32 | 5.5 | 27 |
| 177 | Conducting Polymers from 3,4-Disubstituted Polypyrroles. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1987 , 91, 885-888 | | 27 |
| 176 | On the electrical conductivity of PVDF composites with different carbon-based nanoadditives. <i>Colloid and Polymer Science</i> , 2014 , 292, 1989-1998 | 2.4 | 26 |
| 175 | Crystallization under one-dimensional confinement in alumina nanopores of poly(trimethylene terephthalate) and its composites with single wall carbon nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 5324-9 | 9.5 | 26 |
| 174 | Structure Development in Polymers during Fused Filament Fabrication (FFF): An in Situ Small- and Wide-Angle X-ray Scattering Study Using Synchrotron Radiation. <i>Macromolecules</i> , 2019 , 52, 9715-9723 | 5.5 | 26 |
| 173 | Laser-Induced Periodic Surface Structures on P3HT and on Its Photovoltaic Blend with PCBM. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 31894-31901 | 9.5 | 25 |
| 172 | Structure and viscoelastic properties of hybrid ferrogels with iron oxide nanoparticles synthesized in situ. <i>Soft Matter</i> , 2010 , 6, 3910 | 3.6 | 25 |
| 171 | The β relaxation as a probe to follow real-time polymer crystallization in model aliphatic polyesters. <i>Polymer</i> , 2007 , 48, 4742-4750 | 3.9 | 25 |
| 170 | Induction time for cold crystallization in semi-rigid polymers: PEN and PEEK. <i>Polymer</i> , 2001 , 42, 5711-5715 | 5.9 | 25 |
| 169 | Simultaneous measurements of small angle x-ray scattering, wide angle x-ray scattering, and dielectric spectroscopy during crystallization of polymers. <i>Review of Scientific Instruments</i> , 2000 , 71, 1733-1736 | 1.7 | 25 |
| 168 | Structure of glancing incidence deposited TiO ₂ thin films as revealed by grazing incidence small-angle X-ray scattering. <i>ChemPhysChem</i> , 2010 , 11, 2205-8 | 3.2 | 24 |
| 167 | Deformation behaviour during cold drawing of nanocomposites based on single wall carbon nanotubes and poly(ether ester) copolymers. <i>Polymer</i> , 2007 , 48, 3286-3293 | 3.9 | 24 |

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| 166 | Cold crystallization of poly(ethylene naphthalene-2,6-dicarboxylate) by simultaneous measurements of X-ray scattering and dielectric spectroscopy. <i>Polymer</i> , 2003 , 44, 1045-1049 | 3.9 | 24 |
| 165 | Simultaneous crystalline-amorphous phase evolution during crystallization of polymer systems. <i>Europhysics Letters</i> , 2002 , 59, 417-422 | 1.6 | 24 |
| 164 | Phase Separation and Crystallization Phenomena in a Poly(ester-carbonate) Block Copolymer: A Real-Time Dielectric Spectroscopic and X-ray Scattering Study. <i>Macromolecules</i> , 1995 , 28, 4516-4524 | 5.5 | 24 |
| 163 | Evidence of a 2D-Ordered Structure in Biobased Poly(pentamethylene furanoate) Responsible for Its Outstanding Barrier and Mechanical Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 17863-17871 | 8.3 | 23 |
| 162 | In situ monitoring of laser-induced periodic surface structures formation on polymer films by grazing incidence small-angle X-ray scattering. <i>Langmuir</i> , 2015 , 31, 3973-81 | 4 | 23 |
| 161 | Versatile wide angle diffraction setup for simultaneous wide and small angle x-ray scattering measurements with synchrotron radiation. <i>Review of Scientific Instruments</i> , 2006 , 77, 033904 | 1.7 | 23 |
| 160 | Cooperativity of the beta-relaxations in aromatic polymers. <i>Physical Review E</i> , 2004 , 70, 021502 | 2.4 | 23 |
| 159 | Conductive PE-carbon composites by elongation flow injection moulding. <i>Journal of Materials Science</i> , 1988 , 23, 475-480 | 4.3 | 23 |
| 158 | Relaxations and Relaxor-Ferroelectric-Like Response of Nanotubularly Confined Poly(vinylidene fluoride). <i>Chemistry of Materials</i> , 2017 , 29, 3515-3525 | 9.6 | 22 |
| 157 | Influence of substrate and film thickness on polymer LIPSS formation. <i>Applied Surface Science</i> , 2017 , 394, 125-131 | 6.7 | 22 |
| 156 | X-ray microdiffraction and micro-Raman study on an injection moulding SWCNT-polymer nanocomposite. <i>Composites Science and Technology</i> , 2007 , 67, 798-805 | 8.6 | 22 |
| 155 | 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 |
| 154 | Thermal anisotropy of polymer carbon fiber composites as revealed by photodeflection methods. <i>Journal of Applied Physics</i> , 1995 , 78, 5706-5712 | 2.5 | 22 |
| 153 | One-Step In Situ Synthesis of Polyamide Microcapsules With Inorganic Payload and Their Transformation into Responsive Thermoplastic Composite Materials. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 119-124 | 3.9 | 22 |
| 152 | Laser Fabrication of Polymer Ferroelectric Nanostructures for Nonvolatile Organic Memory Devices. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19611-8 | 9.5 | 21 |
| 151 | Three-dimensional model of human platelet integrin α IIb β 3 in solution obtained by small angle neutron scattering. <i>Journal of Biological Chemistry</i> , 2010 , 285, 1023-31 | 5.4 | 21 |
| 150 | Film-Forming Polymers Containing in the Main-Chain Dibenzo Crown Ethers with Aliphatic (C10-C16), Aliphatic-Aromatic, or Oxyindole Spacers. <i>Macromolecules</i> , 2006 , 39, 4696-4703 | 5.5 | 21 |
| 149 | Hopping conduction in 3,4-cycloalkylpolypyrrole perchlorates: A model study of conductivity in polymers. <i>Chemical Physics Letters</i> , 1988 , 144, 194-198 | 2.5 | 21 |

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| 148 | Dynamic percolation in an insulator-conductor composite: Polyethyleneoxide-polypyrrole, as studied by a.c. conductivity measurements. <i>Solid State Communications</i> , 1988 , 66, 153-157 | 1.6 | 21 |
| 147 | On the relationship between crystalline structure and amorphous phase dynamics during isothermal crystallization of bacterial poly(3-hydroxybutyrate-co-3-hydroxyvalerate) copolymers. <i>Biomacromolecules</i> , 2001 , 2, 581-7 | 6.9 | 20 |
| 146 | Quantitative Nanomechanical Properties of Multilayer Films Made of Polysaccharides through Spray Assisted Layer-by-Layer Assembly. <i>Biomacromolecules</i> , 2017 , 18, 169-177 | 6.9 | 19 |
| 145 | Electrical conductivity and transparency of polymer hybrid nanocomposites based on poly(trimethylene terephthalate) containing single walled carbon nanotubes and expanded graphite. <i>Journal of Applied Polymer Science</i> , 2017 , 134, | 2.9 | 19 |
| 144 | Detection of early stage precursor during formation of plastic crystal ethanol from the supercooled liquid state: a simultaneous dielectric spectroscopy with neutron diffraction study. <i>Physical Review Letters</i> , 2011 , 107, 025502 | 7.4 | 19 |
| 143 | Shear Effect on Crystallizing Single Wall Carbon Nanotube/Poly(butylene terephthalate) Nanocomposites. <i>Macromolecules</i> , 2009 , 42, 4374-4376 | 5.5 | 19 |
| 142 | On tunneling effects in metal-deposited polyethylene-carbon black and polycarbonate-carbon black systems. <i>Journal of Materials Research</i> , 1986 , 1, 510-514 | 2.5 | 19 |
| 141 | Conductive PE-carbon black composites by elongational flow injection moulding. <i>Journal of Materials Science</i> , 1988 , 23, 4121-4126 | 4.3 | 19 |
| 140 | Improving information density in ferroelectric polymer films by using nanoimprinted gratings. <i>Applied Physics Letters</i> , 2013 , 102, 191601 | 3.4 | 18 |
| 139 | Conducting nanocomposites based on polyamide 6,6 and carbon nanofibers prepared by cryogenic grinding. <i>Composites Science and Technology</i> , 2011 , 71, 1348-1352 | 8.6 | 18 |
| 138 | Miscibility/dispersion, interfacial strength and nanoclay mobility relationships in polymer nanocomposites. <i>Soft Matter</i> , 2009 , 5, 3481 | 3.6 | 18 |
| 137 | Stacking of main chain-crown ether polymers in thin films. <i>Langmuir</i> , 2007 , 23, 12677-81 | 4 | 18 |
| 136 | Conductive polycarbonate-carbon composites. <i>Journal of Materials Science Letters</i> , 1984 , 3, 165-168 | | 18 |
| 135 | Deswelling of Poly(N-isopropylacrylamide) Derived Hydrogels and Their Nanocomposites with Iron Oxide Nanoparticles As Revealed by X-ray Photon Correlation Spectroscopy. <i>Macromolecules</i> , 2015 , 48, 393-399 | 5.5 | 17 |
| 134 | Novel ethero atoms containing polyesters based on 2,6-naphthalendicarboxylic acid: A comparative study with poly(butylene naphthalate). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007 , 45, 1694-1703 ¹⁷ | 2.6 | 17 |
| 133 | The Effect of Transreactions on the Structure and Dynamic Mechanical Properties of 1:1 Poly(ethylene terephthalate)/Poly(ethylene 2,6-naphthalate) Blends Produced by Cryogenic Mechanical Alloying. <i>Macromolecular Materials and Engineering</i> , 2003 , 288, 778-788 | 3.9 | 17 |
| 132 | Modification of poly(dimethylsiloxane) as a basis for surface wrinkle formation: Chemical and mechanical characterization. <i>Polymer</i> , 2016 , 98, 327-335 | 3.9 | 16 |
| 131 | Relaxation and Conductivity in P3HT/PC71BM Blends As Revealed by Dielectric Spectroscopy. <i>Macromolecules</i> , 2016 , 49, 2709-2717 | 5.5 | 16 |

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| 130 | Self-assembly of thermo and light responsive amphiphilic linear dendritic block copolymers. <i>European Polymer Journal</i> , 2016 , 81, 621-633 | 5.2 | 16 |
| 129 | Influence of single wall carbon nanotubes and thermal treatment on the morphology of polymer thin films. <i>Composites Science and Technology</i> , 2012 , 72, 421-427 | 8.6 | 16 |
| 128 | Segmental relaxation in semicrystalline polymers: a mean-field model for the distribution of relaxation times in confined regimes. <i>European Physical Journal E</i> , 2009 , 29, 163-71 | 1.5 | 16 |
| 127 | Molecular dynamics of ferroelectric polymeric systems as studied by incoherent quasielastic neutron scattering. <i>Physical Review B</i> , 1994 , 50, 13214-13224 | 3.3 | 16 |
| 126 | Slow dynamics of nanocomposite polymer aerogels as revealed by X-ray photocorrelation spectroscopy (XPCS). <i>Journal of Chemical Physics</i> , 2014 , 140, 024909 | 3.9 | 15 |
| 125 | Micro- and submicrostructuring thin polymer films with two and three-beam single pulse laser interference lithography. <i>Langmuir</i> , 2014 , 30, 8973-9 | 4 | 15 |
| 124 | Relaxation dynamics and cold crystallization of poly(pentamethylene terephthalate) as revealed by dielectric spectroscopy. <i>Polymer</i> , 2014 , 55, 1552-1559 | 3.9 | 15 |
| 123 | Effect of Copolymerization in the Dynamics of Poly(trimethylene terephthalate). <i>Macromolecules</i> , 2012 , 45, 180-188 | 5.5 | 15 |
| 122 | Restricted dynamics in oriented semicrystalline polymers: poly(vinylidene fluoride). <i>Physical Review E</i> , 2010 , 82, 031802 | 2.4 | 15 |
| 121 | From hard to soft confinement in a symmetric block copolymer: local and segmental dynamics. <i>Soft Matter</i> , 2011 , 7, 6477 | 3.6 | 15 |
| 120 | Relaxation time distribution from time and frequency domain dielectric spectroscopy in poly(aryl ether ether ketone). <i>Journal of Chemical Physics</i> , 2000 , 113, 863-868 | 3.9 | 15 |
| 119 | Microhardness of condensation polymers and copolymers. 1. Coreactive blends of polyethylene terephthalate and polycarbonates. <i>Journal of Macromolecular Science - Physics</i> , 1997 , 36, 655-665 | 1.4 | 14 |
| 118 | Slow relaxations in salicylsalicylic acid studied by dielectric techniques. <i>Journal of Non-Crystalline Solids</i> , 2005 , 351, 3600-3606 | 3.9 | 14 |
| 117 | StructureDynamics Relationships in Random Poly(butylene isophthalate-co-butylene adipate) Copolyesters As Revealed by Dielectric Loss Spectroscopy and X-ray Scattering. <i>Macromolecules</i> , 2003 , 36, 3245-3253 | 5.5 | 14 |
| 116 | Probing the subglass relaxation behavior in model heterocyclic polymer networks by dielectric spectroscopy. <i>Physical Review E</i> , 2001 , 64, 051802 | 2.4 | 14 |
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