

Rigoberto C Advincula

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.

167
papers

4,243
citations

33
h-index

61
g-index

175
ext. papers

5,007
ext. citations

5.1
avg. IF

6.01
L-index

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 167 | Polymer-solvent interaction and conformational changes at a molecular level: Implication to solvent-assisted deformation and aggregation at the polymer surface.. <i>Journal of Colloid and Interface Science</i> , 2022 , 616, 221-233 | 9.3 | 0 |
| 166 | Mechanically and Thermally Enhanced 3D-Printed Photocurable Polymer Nanocomposites Containing Functionalized Chitin Nanowhiskers by Stereolithography. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 2513-2526 | 4.3 | 3 |
| 165 | Electropolymerized-molecularly imprinted polymers (E-MIPS) as sensing elements for the detection of dengue infection. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 1 | 4.4 | 3 |
| 164 | 3D printing of metals using biodegradable cellulose hydrogel inks. <i>Additive Manufacturing</i> , 2021 , 48, 102380 | 6.1 | 3 |
| 163 | 3D printing of biomedically relevant polymer materials and biocompatibility. <i>MRS Communications</i> , 2021 , 11, 1-16 | 2.7 | 13 |
| 162 | Optimization of Mechanical and Setting Properties in Acrylic Bone Cements Added with Graphene Oxide. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5185 | 2.6 | 0 |
| 161 | Highly Recyclable, Mechanically Isotropic and Healable 3D-Printed Elastomers via Polyurea Vitrimers 2021 , 3, 1095-1103 | | 8 |
| 160 | On the Use of Surfactant-Complexed Chitosan for Toughening 3D Printed Polymethacrylate Composites. <i>Macromolecular Materials and Engineering</i> , 2021 , 306, 2000448 | 3.9 | 7 |
| 159 | CoreShell Gold Nanoparticle-Star Copolymer Composites with Gradient Transfer and Transport Properties: Toward Electro-Optical Sensors and Catalysis. <i>ACS Applied Nano Materials</i> , 2021 , 4, 1394-1400 | 5.6 | 0 |
| 158 | The potential of additively manufactured membranes for selective separation and capture of CO ₂ . <i>MRS Communications</i> , 2021 , 11, 391-401 | 2.7 | 4 |
| 157 | On the progress of 3D-printed hydrogels for tissue engineering. <i>MRS Communications</i> , 2021 , 11, 1-15 | 2.7 | 17 |
| 156 | Post-Processing of 3D-Printed Polymers. <i>Technologies</i> , 2021 , 9, 61 | 2.4 | 12 |
| 155 | On the additive manufacturing (3D printing) of viscoelastic materials and flow behavior: From composites to food manufacturing. <i>Additive Manufacturing</i> , 2021 , 45, 102043 | 6.1 | 8 |
| 154 | Additively manufactured high-performance polymeric materials and their potential use in the oil and gas industry.. <i>MRS Communications</i> , 2021 , 11, 1-15 | 2.7 | 1 |
| 153 | The Role of π - π and Metastable Polymorphs on Electrospun Polyamide 6/Functionalized Graphene Oxide. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000195 | 4.8 | 6 |
| 152 | On the Effect of Ultralow Loading of Microwave-Assisted Bifunctionalized Graphene Oxide in Stereolithographic 3D-Printed Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 49061-49072 | 9.5 | 9 |
| 151 | Additive manufacturing for COVID-19: Devices, materials, prospects, and challenges. <i>MRS Communications</i> , 2020 , 10, 413-427 | 2.7 | 40 |

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| 150 | A Dual Approach in Direct Ink Writing of Thermally Cured Shape Memory Rubber Toughened Epoxy. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 5492-5500 | 4.3 | 11 |
| 149 | Biocompatibility of a novel heat-treated and ceramic-coated magnesium alloy (Mg $\bar{0}$.2Zn $\bar{0}$.5Ca $\bar{0}$.5Mn) for resorbable skeletal fixation devices. <i>MRS Communications</i> , 2020 , 10, 467-474 | 2.7 | 1 |
| 148 | 4D Printing via an Unconventional Fused Deposition Modeling Route to High-Performance Thermosets. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 50052-50060 | 9.5 | 19 |
| 147 | Fluorine-Free Superhydrophobic Coatings: Rapid Fabrication and Highly Efficient Oil/Water Separation. <i>Macromolecular Materials and Engineering</i> , 2020 , 305, 2000400 | 3.9 | 4 |
| 146 | Super-Anticorrosive Materials Based on Bifunctionalized Reduced Graphene Oxide. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 45254-45265 | 9.5 | 13 |
| 145 | On the use of an agro waste, Miscanthus x. Giganteus, as filtrate reducer for water-based drilling fluids. <i>Journal of Dispersion Science and Technology</i> , 2020 , 1-10 | 1.5 | 3 |
| 144 | 3D printing for membrane separation, desalination and water treatment. <i>Applied Materials Today</i> , 2020 , 18, 100486 | 6.6 | 74 |
| 143 | Advances in 3D printing of thermoplastic polymer composites and nanocomposites. <i>Progress in Polymer Science</i> , 2019 , 98, 101162 | 29.6 | 162 |
| 142 | 3D-printing and advanced manufacturing for electronics. <i>Progress in Additive Manufacturing</i> , 2019 , 4, 245-267 | 5 | 81 |
| 141 | Organopolymer with dual chromophores and fast charge-transfer properties for sustainable photocatalysis. <i>Nature Communications</i> , 2019 , 10, 1837 | 17.4 | 13 |
| 140 | Mussel-Inspired Hydrogel Composite with Multi-Stimuli Responsive Behavior. <i>Macromolecular Materials and Engineering</i> , 2019 , 304, 1800720 | 3.9 | 7 |
| 139 | Reprocessable 3D-Printed Conductive Elastomeric Composite Foams for Strain and Gas Sensing. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 885-892 | 4.3 | 45 |
| 138 | 3D Printed Multifunctional, Hyperelastic Silicone Rubber Foam. <i>Advanced Functional Materials</i> , 2019 , 29, 1900469 | 15.6 | 63 |
| 137 | 3D Printing of a Robust Polyamide-12-Carbon Black Composite via Selective Laser Sintering: Thermal and Electrical Conductivity. <i>Macromolecular Materials and Engineering</i> , 2019 , 304, 1800718 | 3.9 | 31 |
| 136 | Three-dimensional-printed molds and materials for injection molding and rapid tooling applications. <i>MRS Communications</i> , 2019 , 9, 1267-1283 | 2.7 | 26 |
| 135 | Continuous Flow Fabrication of Block Copolymer-Grafted Silica Micro-Particles in Environmentally Friendly Water/Ethanol Media. <i>Macromolecular Materials and Engineering</i> , 2019 , 304, 1800451 | 3.9 | 3 |
| 134 | Thermo-mechanical and swelling properties of three-dimensional-printed poly (ethylene glycol) diacrylate/silica nanocomposites. <i>MRS Communications</i> , 2019 , 9, 209-217 | 2.7 | 31 |
| 133 | Mechanically Robust, Ultraelastic Hierarchical Foam with Tunable Properties via 3D Printing. <i>Advanced Functional Materials</i> , 2018 , 28, 1800631 | 15.6 | 82 |

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| 132 | Polymer Nanosheet Containing Star-Like Copolymers: A Novel Scalable Controlled Release System. <i>Small</i> , 2018 , 14, e1800115 | 11 | 4 |
| 131 | House of Cards Nanostructuring of Graphene Oxide and Montmorillonite Clay for Oil/Water Separation. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1700314 | 3.9 | 8 |
| 130 | Nanomanufacture of Free-Standing, Porous, Janus-Type Films of Polymer-Plant Virus Nanoparticle Arrays. <i>Methods in Molecular Biology</i> , 2018 , 1776, 143-157 | 1.4 | 1 |
| 129 | High-Strength Stereolithographic 3D Printed Nanocomposites: Graphene Oxide Metastability. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10085-10093 | 9.5 | 101 |
| 128 | Simultaneous Reduction and Functionalization of Graphene Oxide via Ritter Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 14265-14272 | 9.5 | 27 |
| 127 | A Review on Rubber-Enhanced Polymeric Materials. <i>Polymer Reviews</i> , 2017 , 57, 311-338 | 14 | 30 |
| 126 | 3D Printing of Polymer Nanocomposites via Stereolithography. <i>Macromolecular Materials and Engineering</i> , 2017 , 302, 1600553 | 3.9 | 207 |
| 125 | Highly efficient reversible addition-fragmentation chain-transfer polymerization in ethanol/water via flow chemistry. <i>Polymer International</i> , 2017 , 66, 1252-1258 | 3.3 | 6 |
| 124 | Facile Preparation of Photocurable Siloxane Composite for 3D Printing. <i>Macromolecular Materials and Engineering</i> , 2017 , 302, 1600477 | 3.9 | 30 |
| 123 | Electrostatic layer-by-layer construction of fibrous TMV biofilms. <i>Nanoscale</i> , 2017 , 9, 1580-1590 | 7.7 | 20 |
| 122 | 3D Printing Biocompatible Polyurethane/Poly(lactic acid)/Graphene Oxide Nanocomposites: Anisotropic Properties. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 4015-4023 | 9.5 | 240 |
| 121 | Electrospinning Superhydrophobic and Antibacterial PS/MWNT Nanofibers onto Multilayer Gas Barrier Films. <i>Macromolecular Symposia</i> , 2017 , 374, 1600138 | 0.8 | 8 |
| 120 | 3D Printing of Photocurable Cellulose Nanocrystal Composite for Fabrication of Complex Architectures via Stereolithography. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 34314-34324 | 9.5 | 150 |
| 119 | Chitosan Cross-Linked Graphene Oxide Nanocomposite Films with Antimicrobial Activity for Application in Food Industry. <i>Macromolecular Symposia</i> , 2017 , 374, 1600114 | 0.8 | 54 |
| 118 | In Situ Photogeneration of Palladium Nanoparticles in Thermoplastic Polyurethane: Photopatterning and Enhanced Oxygen Barrier Property. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1700289 | 2.6 | 3 |
| 117 | Distinct Chemical and Physical Properties of Janus Nanosheets. <i>ACS Nano</i> , 2017 , 11, 7485-7493 | 16.7 | 61 |
| 116 | Solvatochromic, thermochromic and pH-sensory DCDHF-hydrazone molecular switch: response to alkaline analytes. <i>RSC Advances</i> , 2016 , 6, 102296-102305 | 3.7 | 37 |
| 115 | Grafting of a Stimuli Responsive Polymer on Nanolayered Coextruded PS/PCL Films by Surface Initiated Polymerization. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 870-875 | 3.9 | 6 |

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| 114 | Free-Standing, Nanopatterned Janus Membranes of Conducting Polymer-Virus Nanoparticle Arrays. <i>Langmuir</i> , 2016 , 32, 6185-93 | 4 | 13 |
| 113 | Detection of aspartame via microsphere-patterned and molecularly imprinted polymer arrays. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 495, 149-158 | 5.1 | 25 |
| 112 | Graphene Oxide/Poly(ethylene glycol) methyl ether methacrylate Nanocomposite Hydrogels. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 101-107 | 2.6 | 9 |
| 111 | QCM sensing of bisphenol A using molecularly imprinted hydrogel/conducting polymer matrix. <i>Polymer Journal</i> , 2016 , 48, 525-532 | 2.7 | 33 |
| 110 | Pyrene-imprinted polythiophene sensors for detection of polycyclic aromatic hydrocarbons. <i>Sensors and Actuators B: Chemical</i> , 2016 , 228, 693-701 | 8.5 | 21 |
| 109 | Star-like copolymer stabilized noble-metal nanoparticle powders. <i>Nanoscale</i> , 2016 , 8, 7435-42 | 7.7 | 14 |
| 108 | Capacitive Detection of Morphine via Cathodically Electropolymerized, Molecularly Imprinted Poly(p-aminostyrene) Films. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 1810-1822 | 2.6 | 4 |
| 107 | Electroluminescent Behaviors of Electrochemically Cross-Linkable Poly(benzyl ether) Terthiophene Dendrimers. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 1948-1954 | 2.6 | 1 |
| 106 | Polymers for proppants used in hydraulic fracturing. <i>Journal of Petroleum Science and Engineering</i> , 2016 , 145, 154-160 | 4.4 | 43 |
| 105 | High performance polymer nanocomposites for additive manufacturing applications. <i>Reactive and Functional Polymers</i> , 2016 , 103, 141-155 | 4.6 | 227 |
| 104 | Inorganic-Organic Thiol-ene Coated Mesh for Oil/Water Separation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18566-73 | 9.5 | 80 |
| 103 | Grafted carbazole-assisted electrodeposition of graphene oxide. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 10266-74 | 9.5 | 27 |
| 102 | Plasmonics and templated systems for bioapplications. <i>Rendiconti Lincei</i> , 2015 , 26, 143-160 | 1.7 | 9 |
| 101 | Conducting polymer-gold co-patterned surfaces via nanosphere lithography. <i>Journal of Colloid and Interface Science</i> , 2015 , 459, 86-96 | 9.3 | 14 |
| 100 | Stimuli-Responsive Polymers and their Potential Applications in Oil-Gas Industry. <i>Polymer Reviews</i> , 2015 , 55, 706-733 | 14 | 52 |
| 99 | Free-Standing Macroinitiator Thin Film for Bifacial Polymer Chain Grafting. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 1888-1893 | 2.6 | |
| 98 | A Trefoil Knotted Polymer Produced through Ring Expansion. <i>Angewandte Chemie</i> , 2015 , 127, 5216-5220 | 9.6 | 9 |
| 97 | Catenated Poly(ϵ -caprolactone) and Poly(L-lactide) via Ring-Expansion Strategy. <i>Macromolecules</i> , 2015 , 48, 3825-3833 | 5.5 | 22 |

- 96 Cyclic polymers and catenanes by atom transfer radical polymerization (ATRP). *Polymer International*, **2014**, 63, 803-813 3.3 17
- 95 Surface Plasmon Resonance Spectroscopy and Molecularly Imprinted Polymer (MIP) Sensors **2014**, 1229-1258 2
- 94 Applications of Fourier Transform Infrared (FTIR) Imaging **2014**, 1179-1200 3
- 93 Surface Plasmon Spectroscopy Methods and Electrochemical Analysis **2014**, 1159-1178
- 92 [4-(Allyloxy)phen-yl](phen-yl)methanone. *Acta Crystallographica Section E: Structure Reports Online*, **2014**, 70, o814-5
- 91 2,2'-(1,4-Phenyl-ene)bis-(propane-2,2-di-yl) bis-(benzodi-thio-ate). *Acta Crystallographica Section E: Structure Reports Online*, **2014**, 70, o117
- 90 Temperature-Responsiveness and Antimicrobial Properties of CNT/PNIPAM Hybrid Brush Films. *Macromolecular Chemistry and Physics*, **2013**, 214, 464-469 2.6 17
- 89 On the Formation and Electropolymerization of a Star Copolymer With Peripheral Carbazoles. *Macromolecular Chemistry and Physics*, **2013**, 214, 386-395 2.6 7
- 88 Effect of Photoreactive SAM at the Interface of an Indium-Tin Oxide Electrode and a Polymer Hole Transport Layer. *IEICE Transactions on Electronics*, **2013**, E96.C, 365-368 0.4 5
- 87 Patterned polymer brushes via electrodeposited ATRP, ROMP, and RAFT initiators on colloidal template arrays. *Soft Matter*, **2012**, 8, 353-359 3.6 9
- 86 Surface-Initiated Polymerization and Layer-by-Layer Films **2012**, 437-454
- 85 Electropolymerized and polymer grafted superhydrophobic, superoleophilic, and hemi-wicking coatings. *Journal of Materials Chemistry*, **2012**, 22, 11025 21
- 84 Functional Layer-By-Layer Polyelectrolytes: Assembly Strategies, Characterization, and Selected Applications **2012**, 643-682
- 83 QCM sensing of a chemical nerve agent analog via electropolymerized molecularly imprinted polythiophene films. *Journal of Polymer Science Part A*, **2012**, 50, 675-685 2.5 23
- 82 Properties of single-walled carbon nanotube-based poly(phenylene vinylene) electroluminescent nanocomposites. *Journal of Polymer Science, Part B: Polymer Physics*, **2012**, 50, 272-279 2.6 10
- 81 Nanostructured, molecularly imprinted, and template-patterned polythiophenes for chiral sensing and differentiation. *Small*, **2012**, 8, 1669-74 11 32
- 80 Nanocomposite p-n Junction Polycarbazole CdSe/TiO₂ Thin Films on ITO via Electrochemical Crosslinking. *Macromolecular Materials and Engineering*, **2012**, 297, 875-886 3.9 6
- 79 Bactericidal and Anticorrosion Properties in PVK/MWNT Nanocomposite Coatings on Stainless Steel. *Macromolecular Materials and Engineering*, **2012**, 297, 807-813 3.9 18

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| 78 | Monitoring in situ Electrochemical Crosslinking in Nanostructured Precursor Polymer Films by EC-SPR Spectroscopy. <i>Macromolecular Reaction Engineering</i> , 2012 , 6, 153-159 | 1.5 | 3 |
| 77 | Surface-Grafted Polymers from Electropolymerized Polythiophene RAFT Agent. <i>Macromolecules</i> , 2011 , 44, 966-975 | 5.5 | 58 |
| 76 | Electropolymerized Molecularly Imprinted Polymer Film: EIS Sensing of Bisphenol A. <i>Macromolecules</i> , 2011 , 44, 6669-6682 | 5.5 | 87 |
| 75 | Electrochemical Impedance Spectroscopy (EIS) 2011 , 791-807 | | 1 |
| 74 | X-Ray Photoelectron Spectroscopy of Ultrathin Organic Films 2011 , 831-853 | | |
| 73 | Polyelectrolyte Brushes: Twenty Years After 2011 , 219-237 | | 1 |
| 72 | Investigations of Soft Organic Films with Ellipsometry 2011 , 629-647 | | 2 |
| 71 | Characterization of Molecularly Thin Polymer Layers with the Surface Forces Apparatus (SFA) 2011 , 745-769 | | 2 |
| 70 | Biomimetic Thin Films as a QCM-D Sensor Platform to Detect Macromolecular Interactions 2011 , 771-790 | | |
| 69 | A Perspective and Introduction to Organic and Polymer Ultrathin Films: Deposition, Nanostructuring, Biological Function, and Surface Analytical Methods 2011 , 1-10 | | 3 |
| 68 | Multifunctional Layer-by-Layer Architectures for Biological Applications 2011 , 11-71 | | 10 |
| 67 | The Layer-by-Layer Assemblies of Polyelectrolytes and Nanomaterials as Films and Particle Coatings 2011 , 73-112 | | |
| 66 | Langmuir-Blodgett-Kuhn Multilayer Assemblies: Past, Present, and Future of the LB Technology 2011 , 113-149 | | 4 |
| 65 | Ultrathin Functional Polymer Films Using Plasma-Assisted Deposition 2011 , 265-286 | | 1 |
| 64 | Preparation of Polymer Thin Films by Physical Vapor Deposition 2011 , 287-318 | | 8 |
| 63 | Electro-Optical Applications of Conjugated Polymer Thin Films 2011 , 319-377 | | 3 |
| 62 | Ultrathin Films of Conjugated Polymer Networks: A Precursor Polymer Approach Toward Electro-Optical Devices, Sensors, and Nanopatterning 2011 , 379-399 | | 1 |
| 61 | Dynamics and Thermomechanics of Polymer Films 2011 , 591-627 | | |

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| 60 | Swelling Behavior of Thin Hydrogel Coatings 2011 , 649-667 | | 2 |
| 59 | Scattering Techniques for Thin Polymer Films 2011 , 669-694 | | 1 |
| 58 | Nanostructured Optical Waveguides for Thin-Film Characterization 2011 , 695-721 | | 2 |
| 57 | Self-Assembled Multifunctional Polymers for Biointerfaces 2011 , 855-905 | | 4 |
| 56 | Fabrication, Properties, and Biomedical Applications of Nanosheets 2011 , 907-931 | | 7 |
| 55 | Hybrid Multilayer Films Containing Nano-Objects 2011 , 933-960 | | |
| 54 | Light-Directed Smart Responses in Azobenzene-Containing Liquid-Crystalline Polymer Thin Films 2011 , 961-982 | | |
| 53 | Hybrid Nanomaterials in Ultrathin Films: the Sol-Gel Method and π -Conjugated Polymers 2011 , 1017-1049 | | 1 |
| 52 | Nanopatterning and Functionality of Block-Copolymer Thin Films 2011 , 401-474 | | 2 |
| 51 | Patterning by Photolithography 2011 , 475-499 | | 2 |
| 50 | Nanopatterning of Polymer Brush Thin Films by Electron-Beam Lithography and Scanning Probe Lithography 2011 , 501-518 | | |
| 49 | Direct Patterning for Active Polymers 2011 , 519-569 | | |
| 48 | Nanopatterning of Photosensitive Polymer Films 2011 , 571-589 | | |
| 47 | Self-Assembled Monolayers: the Development of Functional Nanoscale Films 2011 , 151-217 | | 6 |
| 46 | Thin-Film Applications of Electroactive Polymers 2011 , 983-1015 | | 1 |
| 45 | Electropolymerization molecularly imprinted polymer (E-MIP) SPR sensing of drug molecules: pre-polymerization complexed terthiophene and carbazole electroactive monomers. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 2766-71 | 11.8 | 143 |
| 44 | Engineering molecularly imprinted polymer (MIP) materials: Developments and challenges for sensing and separation technologies. <i>Korean Journal of Chemical Engineering</i> , 2011 , 28, 1313-1321 | 2.8 | 37 |
| 43 | Electropolymerization of layer-by-layer precursor polymer films. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 753-758 | 3.2 | 6 |

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|----|--|-----|----|
| 42 | New light-emitting poly{(9,9-di-n-octylfluorenediyl vinylene)-alt-[1,5-(2,6-dioctyloxy)naphthalene vinylene]}. <i>Polymer International</i> , 2011 , 60, 660-665 | 3.3 | 14 |
| 41 | Polymer Loops vs. Brushes on Surfaces: Adsorption, Kinetics, and Viscoelastic Behavior of μ Thiol Telechelics on Gold. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 485-497 | 2.6 | 24 |
| 40 | Nanostructured Interpenetrating Polymer Network (IPN) Precursor Ultrathin Films. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 1039-1049 | 2.6 | 4 |
| 39 | Gold Nanoparticle/Carbazole Dendron Hybrids. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 1600-1605 | 2.6 | 5 |
| 38 | Free-Standing Films of Semifluorinated Block Copolymer Brushes from Layer-by-Layer Polyelectrolyte Macroinitiators. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 1552-1566 | 2.6 | 18 |
| 37 | Films of Highly Disperse Electrodeposited Poly(N-vinylcarbazole)/Graphene Oxide Nanocomposites. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 2371-2377 | 2.6 | 12 |
| 36 | SPR Detection of Dopamine Using Cathodically Electropolymerized, Molecularly Imprinted Poly-p-aminostyrene Thin Films. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 2439-2451 | 2.6 | 20 |
| 35 | Electrochemically crosslinked surface-grafted PVK polymer brushes as a hole transport layer for organic photovoltaics. <i>Journal of Materials Chemistry</i> , 2011 , 21, 10261 | | 34 |
| 34 | Non-lithographic electrochemical patterning of polypyrrole arrays using single-layered colloidal templates on HOPG surface: effects of electrodeposition time and field-gradient. <i>Soft Matter</i> , 2011 , 7, 3775 | 3.6 | 10 |
| 33 | Capsulation of carbon nanotubes on top of colloidally templated and electropolymerized polythiophene arrays. <i>Chemical Communications</i> , 2011 , 47, 8871-3 | 5.8 | 6 |
| 32 | Polythiophene precursor electrochemical nanolithography: highly local thermal and morphological characterization. <i>Soft Matter</i> , 2011 , 7, 1849-1855 | 3.6 | 4 |
| 31 | Facile approach to graphene oxide and poly(N-vinylcarbazole) electro-patterned films. <i>Chemical Communications</i> , 2011 , 47, 9810-2 | 5.8 | 28 |
| 30 | Nanolithographic patterning via electrochemical oxidation of stable poly(nitroxide radical)s to poly(oxoammonium salt)s. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9616 | | 25 |
| 29 | Design and Synthesis of Living-Free Electroactive Dendron End-Functionalized Macromolecules: Surface Grafting Studies. <i>ACS Symposium Series</i> , 2010 , 63-72 | 0.4 | 1 |
| 28 | Defect-free Poly(9,9-bis(2-ethylhexyl)fluorene-2,7-vinylene) for Polymer Light-Emitting Diode (PLED) Devices. <i>Journal of Polymer Research</i> , 2010 , 17, 347-353 | 2.7 | 6 |
| 27 | On the Monolayer Adsorption of Thiol-Terminated Dendritic Oligothiophenes onto Gold Surfaces. <i>Macromolecular Chemistry and Physics</i> , 2010 , 211, 2562-2572 | 2.6 | 5 |
| 26 | Electrochemical Surface Plasmon Resonance and Field-Enhanced Light Scattering: Monomer Copolymerization with a Polysiloxane-Conjugated Polythiophene Network Precursor. <i>Macromolecular Chemistry and Physics</i> , 2010 , 211, 2624-2635 | 2.6 | 6 |
| 25 | Electric Potential Stability and Ionic Permeability of SAMs on Gold Derived from Bidentate and Tridentate Chelating Alkanethiols. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 3717-3725 | 3.8 | 41 |

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| 24 | Nano-donuts from pH-dependent block restructuring in amphiphilic ABA triblock copolymer vesicles at the air-water interface. <i>Soft Matter</i> , 2009 , 5, 747-749 | 3.6 | 15 |
| 23 | Grafting Hole-Transport Precursor Polymer Brushes on ITO Electrodes: Surface-Initiated Polymerization and Conjugated Polymer Network Formation of PVK. <i>Macromolecules</i> , 2008 , 41, 5681-5687 | 5.5 | 63 |
| 22 | Azacalix[3]arene-Carbazole Conjugated Polymer Network Ultrathin Films for Specific Cation Sensing. <i>Chemistry of Materials</i> , 2008 , 20, 4915-4924 | 9.6 | 26 |
| 21 | Anionic Synthesis of Epoxy End-Capped Polymers. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 807-814 | 8.4 | 10 |
| 20 | Synthesis and characterization of well-defined [polystyrene-b-poly(2-vinylpyridine)] _n star-block copolymers with poly(2-vinylpyridine) corona blocks. <i>Journal of Polymer Science Part A</i> , 2007 , 45, 3949-3955 | 3.5 | 8 |
| 19 | Homopolymer and block copolymer brushes on gold by living anionic surface-initiated polymerization in a polar solvent. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 769-782 | 2.5 | 28 |
| 18 | Organic Thin Film Transistors Based on Cyclohexyl-Substituted Organic Semiconductors. <i>Chemistry of Materials</i> , 2005 , 17, 3366-3374 | 9.6 | 119 |
| 17 | Conjugated Polymer Network Films from Precursor Polymers: Electrocopolymerization of a Binary Electroactive Monomer Composition. <i>Macromolecules</i> , 2005 , 38, 3679-3687 | 5.5 | 59 |
| 16 | Conjugated Oligothiophene-Dendron-Capped CdSe Nanoparticles: Synthesis and Energy Transfer. <i>Chemistry of Materials</i> , 2004 , 16, 5187-5193 | 9.6 | 89 |
| 15 | Kinetics of the Thermal and Thermo-Oxidative Degradation of a Polystyrene-Clay Nanocomposite. <i>Macromolecular Rapid Communications</i> , 2004 , 25, 498-503 | 4.8 | 122 |
| 14 | Nanocomposite Hydrogen-Bonded Multilayer Ultrathin Films by Simultaneous Sexithiophene and Au Nanoparticle Formation. <i>Chemistry of Materials</i> , 2004 , 16, 5063-5070 | 9.6 | 24 |
| 13 | Surface Initiated Polymerization from Nanoparticle Surfaces. <i>Journal of Dispersion Science and Technology</i> , 2003 , 24, 343-361 | 1.5 | 94 |
| 12 | Self-Assembly and Characterization of Polyaniline and Sulfonated Polystyrene Multilayer-Coated Colloidal Particles and Hollow Shells. <i>Langmuir</i> , 2003 , 19, 8550-8554 | 4 | 167 |
| 11 | Grafting of Polymers from Clay Nanoparticles via In Situ Free Radical Surface-Initiated Polymerization: Monocationic versus Bicationic Initiators. <i>Langmuir</i> , 2003 , 19, 4381-4389 | 4 | 94 |
| 10 | Energy Transfer in Poly(3-thiopheneacetic acid) and Oligothiophene Polyelectrolyte-Surfactant Complexes. <i>Langmuir</i> , 2003 , 19, 8119-8121 | 4 | 3 |
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