## Maria H Gil

## List of Publications by Citations

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4,280 61 127 35 h-index g-index citations papers 4,676 127 5.27 4.9 avg, IF L-index ext. citations ext. papers

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 127 | Hornification Its origin and interpretation in wood pulps. Wood Science and Technology, 2004, 37, 489-4   | 94.5 | 261       |
| 126 | Development of novel alginate based hydrogel films for wound healing applications. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 52, 221-30   | 7.9  | 236       |
| 125 | Drug delivery systems: Advanced technologies potentially applicable in personalized treatments. <i>EPMA Journal</i> , <b>2010</b> , 1, 164-209  | 8.8  | 221       |
| 124 | Synthesis and characterization of new injectable and degradable dextran-based hydrogels. <i>Polymer</i> , <b>2005</b> , 46, 9604-9614   | 3.9  | 187       |
| 123 | Biodegradable poly(ester amide)s A remarkable opportunity for the biomedical area: Review on the synthesis, characterization and applications. <i>Progress in Polymer Science</i> , <b>2014</b> , 39, 1291-1311                                       | 29.6 | 143       |
| 122 | Poly(dimethyl siloxane) surface modification by low pressure plasma to improve its characteristics towards biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2010</b> , 81, 20-6  | 6    | 137       |
| 121 | Preparation and chemical and biological characterization of a pectin/chitosan polyelectrolyte complex scaffold for possible bone tissue engineering applications. <i>International Journal of Biological Macromolecules</i> , <b>2011</b> , 48, 112-8 | 7.9  | 130       |
| 120 | Development of natural-based wound dressings impregnated with bioactive compounds and using supercritical carbon dioxide. <i>International Journal of Pharmaceutics</i> , <b>2011</b> , 408, 9-19   | 6.5  | 130       |
| 119 | Evaluation of poly(2-hydroxyethyl methacrylate) gels as drug delivery systems at different pH values. <i>International Journal of Pharmaceutics</i> , <b>2000</b> , 194, 169-80   | 6.5  | 130       |
| 118 | Effects of drug solubility, state and loading on controlled release in bicomponent electrospun fibers. <i>International Journal of Pharmaceutics</i> , <b>2010</b> , 397, 50-8  | 6.5  | 121       |
| 117 | Modification of the biopolymer castor oil with free isocyanate groups to be applied as bioadhesive. <i>International Journal of Biological Macromolecules</i> , <b>2007</b> , 40, 144-52  | 7.9  | 92        |
| 116 | Development of therapeutic contact lenses using a supercritical solvent impregnation method.<br>Journal of Supercritical Fluids, <b>2010</b> , 52, 306-316  | 4.2  | 90        |
| 115 | Supercritical solvent impregnation of ophthalmic drugs on chitosan derivatives. <i>Journal of Supercritical Fluids</i> , <b>2008</b> , 44, 245-257  | 4.2  | 90        |
| 114 | Supercritical fluid-assisted preparation of imprinted contact lenses for drug delivery. <i>Acta Biomaterialia</i> , <b>2011</b> , 7, 1019-30  | 10.8 | 86        |
| 113 | Synthesis and characterization of membranes obtained by graft copolymerization of 2-hydroxyethyl methacrylate and acrylic acid onto chitosan. <i>International Journal of Pharmaceutics</i> , <b>2006</b> , 310, 37-45                                | 6.5  | 82        |
| 112 | Anti-glaucoma drug-loaded contact lenses prepared using supercritical solvent impregnation. <i>Journal of Supercritical Fluids</i> , <b>2010</b> , 53, 165-173  | 4.2  | 76        |
| 111 | Enzymatic synthesis of dextran-containing hydrogels. <i>Biomaterials</i> , <b>2002</b> , 23, 3957-67  | 15.6 | 71        |

## (2008-2008)

| 110 | Development of a new photocrosslinkable biodegradable bioadhesive. <i>International Journal of Pharmaceutics</i> , <b>2008</b> , 352, 172-81   | 6.5  | 62 |  |
|-----|--|------|----|--|
| 109 | Biocatalytic synthesis of highly ordered degradable dextran-based hydrogels. <i>Biomaterials</i> , <b>2005</b> , 26, 4707-16   | 15.6 | 62 |  |
| 108 | Synthesis of poly(vinyl chloride)-b-poly(n-butyl acrylate)-b-poly(vinyl chloride) by the competitive single-electron-transfer/degenerative-chain-transfer-mediated living radical polymerization in water. <i>Journal of Polymer Science Part A</i> , <b>2006</b> , 44, 3001-3008  | 2.5  | 59 |  |
| 107 | An improved method for preparing glutaraldehyde cross-linked chitosanpoly(vinyl alcohol) microparticles. <i>Polymer Bulletin</i> , <b>2013</b> , 70, 549-561   | 2.4  | 54 |  |
| 106 | Single electron transferdegenerative chain transfer living radical polymerization of N-butyl acrylate catalyzed by Na2S2O4 in water media. <i>Journal of Polymer Science Part A</i> , <b>2006</b> , 44, 2809-2825  | 2.5  | 50 |  |
| 105 | Synthesis, characterization, and relaxivity of two linear Gd(DTPA)-polymer conjugates. <i>Bioconjugate Chemistry</i> , <b>2001</b> , 12, 170-7   | 6.3  | 50 |  |
| 104 | Processability and characterization of poly(vinyl chloride)-b-poly(n-butyl acrylate)-b-poly(vinyl chloride) prepared by living radical polymerization of vinyl chloride. Comparison with a flexible commercial resin formulation prepared with PVC and dioctyl phthalate. <i>Journal of Vinyl and</i>  | 2    | 45 |  |
| 103 | Additive Technology, <b>2006</b> , 12, 156-165 Photocrosslinkable biodegradable responsive hydrogels as drug delivery systems. <i>International Journal of Biological Macromolecules</i> , <b>2011</b> , 49, 948-54  | 7.9  | 44 |  |
| 102 | Surface modification of a thermoplastic polyurethane by low-pressure plasma treatment to improve hydrophilicity. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 122, 2302-2308  | 2.9  | 44 |  |
| 101 | Influence of Aloe vera on water absorption and enzymatic in vitro degradation of alginate hydrogel films. <i>Carbohydrate Polymers</i> , <b>2013</b> , 98, 311-20  | 10.3 | 43 |  |
| 100 | Development of a biodegradable bioadhesive containing urethane groups. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2008</b> , 19, 111-20   | 4.5  | 43 |  |
| 99  | Controlled release gelatin hydrogels and lyophilisates with potential application as ocular inserts. <i>Biomedical Materials (Bristol)</i> , <b>2007</b> , 2, 241-9  | 3.5  | 42 |  |
| 98  | Solubility of Irgacure 2959 photoinitiator in supercritical carbon dioxide: Experimental determination and correlation. <i>Journal of Supercritical Fluids</i> , <b>2008</b> , 45, 272-281   | 4.2  | 41 |  |
| 97  | Tailoring the properties of gelatin films for drug delivery applications: influence of the chemical cross-linking method. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 70, 10-9   | 7.9  | 39 |  |
| 96  | Synthesis of Poly(lauryl acrylate) by Single-Electron Transfer/Degenerative Chain Transfer Living Radical Polymerization Catalyzed by Na2S2O4 in Water. <i>Macromolecular Chemistry and Physics</i> , <b>2007</b> , 208, 1218-1227   | 2.6  | 39 |  |
| 95  | Ocular injectable formulation assessment for oxidized dextran-based hydrogels. <i>Acta Biomaterialia</i> , <b>2009</b> , 5, 1948-55  | 10.8 | 38 |  |
| 94  | Experimental Determination and Correlation of Artemisinin's Solubility in Supercritical Carbon Dioxide. <i>Journal of Chemical &amp; Dioxide. Journal of Chemical</i> | 2.8  | 37 |  |
| 93  | Preparation and characterization of flurbiprofen-loaded poly(3-hydroxybutyrate-co-3-hydroxyvalerate) microspheres. <i>Journal of Microencapsulation</i> , <b>2008</b> , 25, 170-8  | 3.4  | 36 |  |

| 92 | Surface grafting of a thermoplastic polyurethane with methacrylic acid by previous plasma surface activation and by ultraviolet irradiation to reduce cell adhesion. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 82, 371-7           | 6   | 35 |
|----|--|-----|----|
| 91 | Photocrosslinkable starch-based polymers for ophthalmologic drug delivery. <i>International Journal of Biological Macromolecules</i> , <b>2008</b> , 43, 325-32  | 7.9 | 33 |
| 90 | Influence of the isomeric structures of butyl acrylate on its single-electron transfer-degenerative chain transfer living radical polymerization in water Catalyzed by Na2S2O4. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 6542-6551 | 2.5 | 33 |
| 89 | Structural analysis of dextran-based hydrogels obtained chemoenzymatically. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2006</b> , 77, 55-64  | 3.5 | 33 |
| 88 | Impregnation of an intraocular lens for ophthalmic drug delivery. Current Drug Delivery, 2008, 5, 102-7  | 3.2 | 32 |
| 87 | Suitability of gamma irradiated chitosan based membranes as matrix in drug release system. <i>International Journal of Pharmaceutics</i> , <b>2010</b> , 395, 142-6  | 6.5 | 29 |
| 86 | Lipase immobilisation on to polymeric membranes. <i>Biotechnology Letters</i> , <b>1999</b> , 13, 403-409  |     | 29 |
| 85 | Synthesis of poly(2-methoxyethyl acrylate) by single electron transferDegenerative transfer living radical polymerization catalyzed by Na2S2O4 in water. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 4454-4463                        | 2.5 | 28 |
| 84 | Improving polymeric surfaces for biomedical applications: a review <b>2015</b> , 12, 463-475   |     | 27 |
| 83 | Synthesis of poly(ethyl acrylate) by single electron transfer-degenerative chain transfer living radical polymerization in water catalyzed by Na2S2O4. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 421-                               | 432 | 26 |
| 82 | The immobilization of enzymes onto hydrolyzed polyethylene-g-co-2-HEMA. <i>Journal of Applied Polymer Science</i> , <b>1988</b> , 35, 135-144  | 2.9 | 26 |
| 81 | Enzymatic synthesis of inulin-containing hydrogels. <i>Biomacromolecules</i> , <b>2002</b> , 3, 333-41   | 6.9 | 24 |
| 80 | Solubility of Diflunisal in Supercritical Carbon Dioxide. <i>Journal of Chemical &amp; Data</i> , <b>2008</b> , 53, 1990-1995  | 2.8 | 23 |
| 79 | Experimental (IR/Raman and 1H/13C NMR) and theoretical (DFT) studies of the preferential conformations adopted by L-lactic acid oligomers and poly(L-lactic acid) homopolymer. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 9-21        | 3.4 | 22 |
| 78 | The immobilizaton of enzymes, bovine serum albumin, and phenylpropylamine to poly(acrylic acid)-polyethylene-based copolymers. <i>Biotechnology and Bioengineering</i> , <b>1982</b> , 24, 1371-87   | 4.9 | 22 |
| 77 | Antibacterial layer-by-layer coatings to control drug release from soft contact lenses material. <i>International Journal of Pharmaceutics</i> , <b>2018</b> , 553, 186-200  | 6.5 | 22 |
| 76 | Photocurable bioadhesive based on lactic acid. <i>Materials Science and Engineering C</i> , <b>2016</b> , 58, 601-9  | 8.3 | 21 |
| 75 | Particle features and morphology of poly(vinyl chloride) prepared by living radical polymerisation in aqueous media. Insight about particle formation mechanism. <i>Polymer</i> , <b>2011</b> , 52, 2998-3010  | 3.9 | 21 |

| 74 | Covalent binding of urease on ammonium-selective potentiometric membranes. <i>Biosensors and Bioelectronics</i> , <b>1992</b> , 7, 645-52  | 11.8         | 21 |
|----|--|--------------|----|
| 73 | Design and characterization of bi-soft segmented polyurethane microparticles for biomedical application. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 88, 477-82  | 6            | 20 |
| 72 | Cellulose Derivatives Membranes as Supports for Immobilisation of Enzymes. <i>Cellulose</i> , <b>1998</b> , 5, 299-30  | <b>8</b> 5.5 | 20 |
| 71 | In vitro and in vivo evaluation of an intraocular implant for glaucoma treatment. <i>International Journal of Pharmaceutics</i> , <b>2011</b> , 415, 73-82   | 6.5          | 19 |
| 7º | An electrochemical bienzyme membrane sensor for free cholesterol. <i>Bioelectrochemistry</i> , <b>1992</b> , 28, 105   | -115         | 19 |
| 69 | Preparation of gentamicin sulfate eluting fiber mats by emulsion and by suspension electrospinning. <i>Materials Science and Engineering C</i> , <b>2019</b> , 94, 86-93   | 8.3          | 19 |
| 68 | New drug-eluting lenses to be applied as bandages after keratoprosthesis implantation. <i>International Journal of Pharmaceutics</i> , <b>2014</b> , 477, 218-26   | 6.5          | 18 |
| 67 | Improved drug loading/release capacities of commercial contact lenses obtained by supercritical fluid assisted molecular imprinting methods. <i>Journal of Controlled Release</i> , <b>2010</b> , 148, e102-4  | 11.7         | 18 |
| 66 | Thermal Characterization of Chitosan-Grafted Membranes to be Used as Wound Dressings. <i>Journal of Carbohydrate Chemistry</i> , <b>2006</b> , 25, 233-251   | 1.7          | 18 |
| 65 | Grafting of selected presynthesized macromonomers onto various dispersions of silica particles.<br>Journal of Applied Polymer Science, <b>2002</b> , 85, 1287-1296   | 2.9          | 18 |
| 64 | Poly(dimethyl siloxane) surface modification with biosurfactants isolated from probiotic strains.<br>Journal of Biomedical Materials Research - Part A, <b>2011</b> , 98, 535-43   | 5.4          | 17 |
| 63 | Enzyme-linked immunofiltration assay used in the screening of solid supports and immunoreagents for the development of an azinphos-methyl flow immunosensor. <i>Journal of Immunological Methods</i> , <b>2002</b> , 260, 173-82   | 2.5          | 17 |
| 62 | Behaviour of catalase immobilised on poly(acrylonitrile)-g.co-hydroxyethyl methacrylate when used in a continuous system. <i>Polymer International</i> , <b>1995</b> , 38, 269-275   | 3.3          | 17 |
| 61 | Study of an enzyme coupled system for the development of fibre optical bilirubin sensors. <i>Biosensors and Bioelectronics</i> , <b>1996</b> , 11, 347-54  | 11.8         | 17 |
| 60 | Synthesis of high glass transition temperature copolymers based on poly(vinyl chloride) via single electron transfer Degenerative chain transfer mediated living radical polymerization (SET-DTLRP) of vinyl chloride in water. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 7021-7031 | 2.5          | 16 |
| 59 | Immobilization of BSA, enzymes and cells of Bacillus stearothermophilus onto cellulose, polygalacturonic acid and starch based graft copolymers containing maleic anhydride. <i>Biotechnology and Bioengineering</i> , <b>1986</b> , 28, 51-7  | 4.9          | 16 |
| 58 | Exquisite regioselectivity and increased transesterification activity of an immobilized Bacillus subtilis protease. <i>Biotechnology Progress</i> , <b>2002</b> , 18, 986-93   | 2.8          | 15 |
| 57 | Controlled release of moxifloxacin from intraocular lenses modified by Ar plasma-assisted grafting with AMPS or SBMA: An in vitro study. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 156, 95-103   | 6            | 14 |

| 56 | Polyurethane-based microparticles: formulation and influence of processes variables on its characteristics. <i>Journal of Microencapsulation</i> , <b>2008</b> , 25, 154-69  | 3.4   | 14 |
|----|--|-------|----|
| 55 | Immobilisation of cardosin A in chitosan sponges as a novel implant for drug delivery. <i>Current Drug Discovery Technologies</i> , <b>2005</b> , 2, 231-8   | 1.5   | 14 |
| 54 | A poly(Haprolactone) device for sustained release of an anti-glaucoma drug. <i>Biomedical Materials</i> (Bristol), <b>2011</b> , 6, 025003   | 3.5   | 13 |
| 53 | Synthesis and characterization of a poly(ethylene glycol) prepolymer to be applied as a bioadhesive. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 105, 593-601  | 2.9   | 13 |
| 52 | Thermal characterization of poly(vinyl chloride) samples prepared by living radical polymerization: Comparison with poly(vinyl chloride) prepared by free radical polymerization. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 109, 2729-2736 | 2.9   | 13 |
| 51 | Wood adhesives derived from alkaline extracts of maritime Pine bark: preparation, physical characteristics and bonding efficacy. <i>European Journal of Wood and Wood Products</i> , <b>2002</b> , 60, 303-310   | 2.1   | 13 |
| 50 | Eugenol-loaded microspheres incorporated into textile substrates. <i>Cellulose</i> , <b>2020</b> , 27, 4109-4121   | 5.5   | 12 |
| 49 | Synthesis of a dextran based thermo-sensitive drug delivery system by gamma irradiation. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 61, 150-5   | 7.9   | 12 |
| 48 | Cotton gauze bandage: a support for protease immobilization for use in biomedical applications. <i>BJPS: Brazilian Journal of Pharmaceutical Sciences</i> , <b>2007</b> , 43, 535-542  |       | 12 |
| 47 | In situ forming chitosan hydrogels: Preliminary evaluation of the in vivo inflammatory response. <i>Materials Science and Engineering C</i> , <b>2017</b> , 75, 279-285  | 8.3   | 11 |
| 46 | Novel poly(ester amide)s from glycine and L-lactic acid by an easy and cost-effective synthesis. <i>Polymer International</i> , <b>2013</b> , 62, 736-743  | 3.3   | 11 |
| 45 | Improving cell adhesion: development of a biosensor for cell behaviour monitoring by surface grafting of sulfonic groups onto a thermoplastic polyurethane. <i>Journal of Materials Science:</i> Materials in Medicine, <b>2014</b> , 25, 2017-26          | 4.5   | 10 |
| 44 | Poly(ester amide)s based on (L)-lactic acid oligomers and ե mino acids: influence of the ե mino acid side chain in the poly(ester amide)s properties. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2013</b> , 24, 1391-409                 | 3.5   | 10 |
| 43 | Immobilization of drugs for glaucoma treatment. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2007</b> , 18, 2309-17   | 4.5   | 10 |
| 42 | Biocatalytic Polytransesterification of Inulin with Divinyladipate. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 4009   | -4961 | 10 |
| 41 | Study of the thermal stability and enzymatic activity of an immobilised enzymatic system for the bilirubin oxidation. <i>Biomaterials</i> , <b>1999</b> , 20, 757-63   | 15.6  | 10 |
| 40 | Synthesis and Characterization of Co-polymers Based on Methyl Methacrylate and 2-Hexyl Acrylate Containing Naphthopyrans for a Light-Sensitive Contact Lens. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2011</b> , 22, 139-52            | 3.5   | 9  |
| 39 | Poly(vinyl chloride) and wood flour press mould composites: New bonding strategies. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 113, 2727-2738   | 2.9   | 9  |

| 38 | Immobilization of Lipase from Mucor Miehei Onto Poly (Ethylene) Based Graft Copolymers. <i>Biocatalysis</i> , <b>1992</b> , 6, 223-234  |     | 9 |
|----|---|-----|---|
| 37 | Immobilization of Æhymotrypsin onto hydrolyzed poly(ethylene)-g-co-hydroxyethyl methacrylate.  Journal of Applied Polymer Science, <b>1990</b> , 41, 1629-1639  | 2.9 | 9 |
| 36 | Investigation of the immobilisation of bovine serum albumin, trypsin, acid phosphatase and alkaline phosphatase to poly(hydroxyethyl acrylate)-co-cellulose and poly(hydroxyethyl acrylate)-co-pectin. <i>Polymer Bulletin</i> , <b>1984</b> , 11, 1-6  | 2.4 | 9 |
| 35 | Ketotifen controlled release from cellulose acetate propionate and cellulose acetate butyrate membranes. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2008</b> , 19, 677-82  | 4.5 | 8 |
| 34 | Imprinted hydrogels with LbL coating for dual drug release from soft contact lenses materials. <i>Materials Science and Engineering C</i> , <b>2021</b> , 120, 111687   | 8.3 | 8 |
| 33 | VEGF-functionalized dextran has longer intracellular bioactivity than VEGF in endothelial cells. <i>Biomacromolecules</i> , <b>2012</b> , 13, 2906-16   | 6.9 | 7 |
| 32 | Bulk polytransesterification of L-lactic acid esters: An alternative route to synthesize poly(lactic acid). <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, E283-E289  | 2.9 | 7 |
| 31 | Role of guanidyl moiety in the insertion of arginine and Nalpha-benzoyl-L-argininate ethyl ester chloride in lipid membranes. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 5946-52   | 3.4 | 7 |
| 30 | Surface modification of thermoplastic polyurethane in order to enhance reactivity and avoid cell adhesion. <i>Colloid and Polymer Science</i> , <b>2009</b> , 287, 1469-1474  | 2.4 | 7 |
| 29 | Synthesis of N-Octyl Oleate with Lipase from Mucor miehei Immobilized onto Polyethylene Based Graft Copolymers. <i>Biocatalysis</i> , <b>1994</b> , 9, 157-167  |     | 7 |
| 28 | Functionalization and photocuring of an L-lactic acid macromer for biomedical applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2016</b> , 65, 497-507  | 3   | 7 |
| 27 | Poly(ester amide)s based on l-lactic acid oligomers and glycine: the role of the central unit of the l-lactic acid oligomers and their molecular weight in the poly(ester amide)s properties. <i>Polymer Bulletin</i> , <b>2014</b> , 71, 3085-3109   | 2.4 | 6 |
| 26 | Deviation from the theoretical predictions in the synthesis of amphiphilic block copolymers in a wide range of compositions based on poly(vinyl chloride) by single electron transfer: Degenerative chain living radical polymerization in suspension medium. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , | 2.9 | 6 |
| 25 | 127, 3407-3417 Preparation of poly(vinyl chloride) latexes using a dual surfactant system: The effect in the particle size distribution. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 112, 1416-1424   | 2.9 | 6 |
| 24 | Characterization of cellulose derivatives [Relevance to sensor development. <i>Cellulose</i> , <b>1995</b> , 2, 243-263   | 5.5 | 6 |
| 23 | Engineering star-shaped lactic acid oligomers to develop novel functional adhesives. <i>Journal of Materials Research</i> , <b>2018</b> , 33, 1463-1474   | 2.5 | 5 |
| 22 | 1H NMR spectroscopic and quantum chemical studies on a poly(ester amide) model compound: Nalpha-benzoyl-L-argininate ethyl ester chloride. Structural preferences for the isolated molecule and in solution. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 6156-64  | 3.4 | 5 |
| 21 | Fluorinated additives for stain-resistant matt latex paints <b>2009</b> , 6, 483-491  |     | 5 |

| 20 | Microcapsules prepared from starch derivatives. <i>Journal of Materials Science: Materials in Medicine</i> , <b>1997</b> , 8, 321-3  | 4.5 | 5 |
|----|--|-----|---|
| 19 | Improving lactic acid melt polycondensation: The role of co-catalyst. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 128, n/a-n/a   | 2.9 | 4 |
| 18 | Poly(vinyl chloride)-b-poly(hydroxypropyl acrylate)-b-Poly(vinyl chloride): Understanding the synthesis of an amphiphilic PVC block copolymer on a pilot scale. <i>Journal of Vinyl and Additive Technology</i> , <b>2013</b> , 19, 94-104                       | 2   | 4 |
| 17 | Study of NBenzoyl-L-argininate ethyl ester chloride, a model compound for poly(ester amide) precursors: x-ray diffraction, infrared and Raman spectroscopies, and quantum chemistry calculations. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 124505 | 3.9 | 4 |
| 16 | New approaches in drug delivery systems: application for diabetes treatment. <i>Infectious Disorders - Drug Targets</i> , <b>2008</b> , 8, 119-28  | 1.1 | 4 |
| 15 | Development of semitransparent wood-polymer composites. <i>Journal of Vinyl and Additive Technology</i> , <b>2012</b> , 18, 95-104   | 2   | 2 |
| 14 | Modification of poly(3-hydroxybutyrate)-co-poly(3-hydroxyvalerate) with natural rubber. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 116, n/a-n/a   | 2.9 | 2 |
| 13 | Surface Area Characterization of Several Woodpulps by Humidity Adsorption. <i>Holzforschung</i> , <b>2002</b> , 56, 176-178  | 2   | 2 |
| 12 | Membranes of Cellulose Derivatives as Supports for Immobilization of Enzymes. <i>ACS Symposium Series</i> , <b>1999</b> , 228-234  | 0.4 | 2 |
| 11 | Thermal-responsive hydrogels for sublingual administration of Ondansetron[]International Journal of Polymeric Materials and Polymeric Biomaterials, 2018, 67, 765-775  | 3   | 1 |
| 10 | Modeling the drug release from ionic and covalent co-cross-linked chitosan hydrogels. <i>Computer Aided Chemical Engineering</i> , <b>2017</b> , 1021-1026   | 0.6 | 1 |
| 9  | Surface Area Determinations in Woodpulps by Humidity Adsorption. <i>Holzforschung</i> , <b>2001</b> , 55, 324-327  | 2   | 1 |
| 8  | The immobilisation of bovine serum albumin, acid phosphatase, glucose oxidase and phenyl propylamine to maleic anhydride block copolymers. <i>Polymer Bulletin</i> , <b>1985</b> , 14, 199-206   | 2.4 | 1 |
| 7  | Electrospun composite fibers of PLA/PLGA blends and mesoporous silica nanoparticles for the controlled release of gentamicin sulfate. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> ,1-13                                       | 3   | 1 |
| 6  | The X-ray irradiation of modified silica beads in the presence of hydroxyethyl methacrylate lgraft vs. homopolymerization. <i>Macromolecular Chemistry and Physics</i> , <b>2002</b> , 203, 1370-1376  | 2.6 | O |
| 5  | An electrochemical bienzyme membrane sensor for free cholesterol. <i>Journal of Electroanalytical Chemistry</i> , <b>1992</b> , 343, 105-115   | 4.1 | O |
| 4  | Modelling the Release of Moxifloxacin from Plasma Grafted Intraocular Lenses with Rotational Symmetric Numerical Framework. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 329-339   | 0.9 |   |
| 3  | Polymeric Materials in Ocular Drug Delivery Systems <b>2015</b> , 439-458  |     |   |

## LIST OF PUBLICATIONS

Molecular Dynamics Study of Oligomer-Membrane Complexes with Biomedical Relevance.

Advanced Structured Materials, **2013**, 55-67

0.6

Influence of albumin on mineralization of PMMA-based/glass composites. *Journal of Applied Biomaterials and Functional Materials*, **2012**, 10, 92-8

1.8