

# G Luna-Bárcenas

## List of Publications by Year in descending order

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162  
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3,931  
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#	ARTICLE	IF	CITATIONS
1	Tuning H <sub>2</sub> AuCl <sub>4</sub> /Sodium Citrate Stoichiometry to Fabricate Chitosan-Au Nanocomposites. <i>Polymers</i> , 2022, 14, 788.	2.0	7
2	Potential Use of Chitosan-TiO <sub>2</sub> Nanocomposites for the Electroanalytical Detection of Imidacloprid. <i>Polymers</i> , 2022, 14, 1686.	2.0	5
3	Improving the Mechanical Resistance of Hydroxyapatite/Chitosan Composite Materials Made of Nanofibers with Crystalline Preferential Orientation. <i>Materials</i> , 2022, 15, 4718.	1.3	4
4	Cellulose dialysis membrane containing raw clinoptilolite enhances the removal of Rhodamine 6G from aqueous solutions. <i>Microporous and Mesoporous Materials</i> , 2021, 321, 111113.	2.2	4
5	Small RNAs as a New Platform for Tuning the Biosynthesis of Silver Nanoparticles for Enhanced Material and Functional Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 36769-36783.	4.0	3
6	Chitosan-hydroxyapatite-MWCNTs nanocomposite patch for bone tissue engineering applications. <i>Materials Today Communications</i> , 2021, 28, 102615.	0.9	14
7	Relaxation Phenomena in Chitosan-Au Nanoparticle Thin Films. <i>Polymers</i> , 2021, 13, 3214.	2.0	5
8	Characterization and sliding wear performance of PMMA reinforced with SiO <sub>2</sub> nanoparticles. <i>Journal of Thermoplastic Composite Materials</i> , 2020, 33, 867-881.	2.6	4
9	Sterilized chitosan-based composite hydrogels: Physicochemical characterization and in vitro cytotoxicity. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 81-93.	2.1	28
10	(Chitosan-g-glycidyl methacrylate)-collagen II scaffold for cartilage regeneration. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020, 69, 1043-1053.	1.8	3
11	Linseed and Complex Rosin Ester Oils Additivated with MWCNTs and Nanopearls for Gears/Wheel-Rail Systems. <i>European Journal of Lipid Science and Technology</i> , 2020, 122, 1900331.	1.0	7
12	Chitosan-BaTiO <sub>3</sub> nanostructured piezopolymer for tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 196, 111296.	2.5	32
13	Chitosan-ZnO Nanocomposites Assessed by Dielectric, Mechanical, and Piezoelectric Properties. <i>Polymers</i> , 2020, 12, 1991.	2.0	25
14	Probing molecular interactions of polysaccharides in the presence of water. <i>Journal of Molecular Structure</i> , 2020, 1218, 128531.	1.8	7
15	Analysis of Terpolymerization Systems for the Development of Carbon Fiber Precursors of PAN. <i>International Journal of Polymer Science</i> , 2020, 2020, 1-13.	1.2	7
16	Synthesis and application of biogenic gold nanomaterials with {100} facets for crude glycerol electro-oxidation. <i>Fuel</i> , 2020, 279, 118505.	3.4	15
17	Use of a Taguchi Design in Hibiscus sabdariffa Extracts Encapsulated by Spray-Drying. <i>Foods</i> , 2020, 9, 128.	1.9	15
18	Turbidimetry by Image Degradation Analysis. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 7574-7579.	2.4	4

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19	Thermal Stability and Early Degradation Mechanisms of High-Density Polyethylene, Polyamide 6 (Nylon) Tj ETQq1.1.0.784314 rgBT /Ox	1.5	18
20	Chitosan-bioglass coatings on partially nanostructured anodized Ti-6Al-4V alloy for biomedical applications. Surface and Coatings Technology, 2019, 375, 468-476.	2.2	19
21	Plasma membrane damage repair is mediated by an acid sphingomyelinase in <i>Entamoeba histolytica</i> . PLoS Pathogens, 2019, 15, e1008016.	2.1	5
22	Fruit peels waste for the green synthesis of silver nanoparticles with antimicrobial activity against foodborne pathogens. LWT - Food Science and Technology, 2019, 103, 293-300.	2.5	89
23	New insights in graphene oxide dielectric constant. Materials Research Express, 2019, 6, 085622.	0.8	11
24	Chitosan/copper nanocomposites: Correlation between electrical and antibacterial properties. Colloids and Surfaces B: Biointerfaces, 2019, 180, 186-192.	2.5	21
25	Gold nanoparticles bio-reduced by natural extracts of <i>Kalanchoe daigremontiana</i> for biological purposes: physicochemical, antioxidant and antiproliferative evaluations. Materials Research Express, 2019, 6, 055010.	0.8	12
26	Gelatin-chitosan-PVA hydrogels and their application in agriculture. Journal of Chemical Technology and Biotechnology, 2019, 94, 3495-3504.	1.6	49
27	Antimicrobial effect of nisin electrospun amaranth: pullulan nanofibers in apple juice and fresh cheese. International Journal of Food Microbiology, 2019, 295, 25-32.	2.1	61
28	Deep eutectic solvents as active media for the preparation of highly conducting 3D free-standing PANI xerogels and their derived N-doped and N-, P-codoped porous carbons. Carbon, 2019, 146, 813-826.	5.4	11
29	Synthesis and characterization of simple and binary drug delivery systems for sustainable release of ciprofloxacin. International Journal of Polymeric Materials and Polymeric Biomaterials, 2019, 68, 751-761.	1.8	4
30	Fabrication and in vitro behavior of dual-function chitosan/silver nanocomposites for potential wound dressing applications. Materials Science and Engineering C, 2019, 94, 750-765.	3.8	44
31	Effect of Chemical Oxidation Routes on the Properties of Chitosan- MWCNT Nanocomposites. Current Nanoscience, 2019, 15, 618-625.	0.7	3
32	Free-radical polymerizations of and in deep eutectic solvents: Green synthesis of functional materials. Progress in Polymer Science, 2018, 78, 139-153.	11.8	181
33	FTIR spectroscopy studies on the spontaneous neutralization of chitosan acetate films by moisture conditioning. Vibrational Spectroscopy, 2018, 94, 1-6.	1.2	132
34	Atomic Surface Segregation and Structural Characterization of PdPt Bimetallic Nanoparticles. Materials, 2018, 11, 1882.	1.3	39
35	Seed-Mediated Growth of Ag@Au Nanodisks with Improved Chemical Stability and Surface-Enhanced Raman Scattering. ACS Omega, 2018, 3, 12600-12608.	1.6	22
36	Chitosan-hydroxyapatite nanocomposites: Effect of interfacial layer on mechanical and dielectric properties. Materials Chemistry and Physics, 2018, 217, 151-159.	2.0	39

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37	Development of genistein-PEGylated silica hybrid nanomaterials with enhanced antioxidant and antiproliferative properties on HT29 human colon cancer cells. American Journal of Translational Research (discontinued), 2018, 10, 2306-2323.	0.0	20
38	(Chitosan- g -glycidyl methacrylate)-xanthan hydrogel implant in Wistar rats for spinal cord regeneration. Materials Science and Engineering C, 2017, 78, 892-900.	3.8	16
39	Rheology and gel point of the enzymatic hydrolysis of urea in the presence of urease. Korea Australia Rheology Journal, 2017, 29, 1-7.	0.7	2
40	Electronic paper from facile, two-step deposition of CuS. Cellulose, 2017, 24, 1069-1075.	2.4	2
41	Development of polymethacrylate nanospheres as targeted delivery systems for catechin within the gastrointestinal tract. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	6
42	Combined antibacterial/tissue regeneration response in thermal burns promoted by functional chitosan/silver nanocomposites. International Journal of Biological Macromolecules, 2017, 105, 1241-1249.	3.6	37
43	Early Stages of Antibacterial Damage of Metallic Nanoparticles by TEM and STEM-HAADF. Current Nanoscience, 2017, 14, 54-61.	0.7	15
44	From Intermolecular Interactions to Texture in Polycrystalline Surfaces of 1,1'-alkanediols (1% = 10 <sup>-13</sup> ). Molecules, 2017, 22, 956.	1.7	3
45	Nanotechnology as Potential Strategy for the Treatment of Pharmacoresistant Epilepsy and Comorbid Psychiatric Disorders. Mini-Reviews in Medicinal Chemistry, 2017, 17, 237-246.	1.1	3
46	Performance of an immobilized recombinant leucine aminopeptidase after storage in ethanol-water solution. Biocatalysis and Biotransformation, 2017, 35, 397-406.	1.1	0
47	Nanoemulsion Formulations of Fungicide Tebuconazole for Agricultural Applications. Molecules, 2016, 21, 1271.	1.7	48
48	Sustainable-solvent-induced polymorphism in chitin films. Green Chemistry, 2016, 18, 4303-4311.	4.6	36
49	Proton conductivity and relaxation properties of chitosan-acetate films. Electrochimica Acta, 2016, 215, 600-608.	2.6	33
50	Toward a General Methodology for Modeling Diffusive-Controlled Reactions in Free Radical Polymerization. Macromolecular Theory and Simulations, 2016, 25, 28-44.	0.6	16
51	New Insights on surfactant-free styrene emulsion polymerization in The presence of sodium styrene sulfonate. Colloid and Polymer Science, 2016, 294, 1571-1576.	1.0	10
52	Bulk Free Radical Polymerization of Methyl Methacrylate and Vinyl Acetate: A Comparative Study. Macromolecular Reaction Engineering, 2016, 10, 577-587.	0.9	19
53	Stable nisin food-grade electrospun fibers. Journal of Food Science and Technology, 2016, 53, 3787-3794.	1.4	29
54	Synthesis of Biodegradable Macroporous Poly(l-lactide)/Poly( $\epsilon$ -caprolactone) Blend Using Oil-in-Eutectic-Mixture High-Internal-Phase Emulsions as Template. ACS Applied Materials & Interfaces, 2016, 8, 16939-16949.	4.0	55

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55	Optical detection of magnetic nanoparticles in colloidal suspensions. Journal of Magnetism and Magnetic Materials, 2016, 402, 150-155.	1.0	9
56	Chitosan supported silver nanowires as a platform for direct electrochemistry and highly sensitive electrochemical glucose biosensing. RSC Advances, 2016, 6, 20102-20108.	1.7	44
57	Enzyme-mediated free radical polymerization of acrylamide in deep eutectic solvents. RSC Advances, 2016, 6, 13072-13079.	1.7	43
58	Development of meniscus substitutes using a mixture of biocompatible polymers and extra cellular matrix components by electrospinning. Materials Science and Engineering C, 2016, 61, 893-905.	3.8	23
59	Quercetin conjugated silica particles as novel biofunctional hybrid materials for biological applications. Journal of Colloid and Interface Science, 2016, 466, 44-55.	5.0	20
60	Chitosan-Gold Nanocomposite for Copper Ions Detection. Current Nanoscience, 2016, 12, 754-761.	0.7	5
61	Percolation Phenomena In Polymer Nanocomposites. Advanced Materials Letters, 2016, 7, 353-359.	0.3	4
62	Synthesis of Photochromic Oligophenylenimines: Optical and Computational Studies. Molecules, 2015, 20, 5440-5455.	1.7	3
63	Correlation between Electrical Properties and Potentiometric Response of CS-Clay Nanocomposite Membranes. Advances in Materials Science and Engineering, 2015, 2015, 1-6.	1.0	2
64	Phenytoin carried by silica core iron oxide nanoparticles reduces the expression of pharmacoresistant seizures in rats. Nanomedicine, 2015, 10, 3563-3577.	1.7	13
65	Scanning-probe-microscopy of polyethylene terephthalate surface treatment by argon ion beam. Nuclear Instruments & Methods in Physics Research B, 2015, 362, 49-56.	0.6	5
66	Structural and functional characterization of a recombinant leucine aminopeptidase. Journal of Molecular Catalysis B: Enzymatic, 2015, 113, 39-46.	1.8	6
67	The effect of CNT functionalization on electrical and relaxation phenomena in MWCNT/chitosan composites. Materials Chemistry and Physics, 2015, 155, 252-261.	2.0	30
68	Porous monoliths synthesized <i>via</i> polymerization of styrene and divinyl benzene in nonaqueous deep-eutectic solvent-based HIPEs. RSC Advances, 2015, 5, 23255-23260.	1.7	44
69	Synthesis and functionalization of silica-based nanoparticles with fluorescent biocompounds extracted from Eysenhardtia polystachya for biological applications. Materials Science and Engineering C, 2015, 57, 49-57.	3.8	19
70	Temperature-induced Au nanostructure synthesis in a nonaqueous deep-eutectic solvent for high performance electrocatalysis. Journal of Materials Chemistry A, 2015, 3, 15869-15875.	5.2	35
71	Chitosan/silver nanocomposites: Synergistic antibacterial action of silver nanoparticles and silver ions. European Polymer Journal, 2015, 67, 242-251.	2.6	218
72	Paper-Based ZnO Oxygen Sensor. IEEE Sensors Journal, 2015, 15, 1246-1251.	2.4	24

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73	Structure and Properties of Chitosan-silver Nanoparticles Nanocomposites. Current Nanoscience, 2015, 11, 166-174.	0.7	9
74	Biocompatibility of Human Auricular Chondrocytes Cultured onto a Chitosan/Polyvinyl Alcohol/Epichlorohydrin-Based Hydrogel for Tissue Engineering Application. International Journal of Morphology, 2014, 32, 1347-1356.	0.1	5
75	Electrochemical detection of hydrogen peroxide and glucose based on chitosan stabilized silver nanowire modified electrodes. , 2014, , .		1
76	Nanowire light scattering variation induced by magnetic alignment. Journal of Applied Physics, 2014, 116, 074305.	1.1	5
77	Molecular relaxation in Chitosan films in GHz frequency range. Materials Research Society Symposia Proceedings, 2014, 1613, 83-88.	0.1	1
78	Mechanical and structural response of a hybrid hydrogel based on chitosan and poly(vinyl alcohol) cross-linked with epichlorohydrin for potential use in tissue engineering. Journal of Biomaterials Science, Polymer Edition, 2014, 25, 32-50.	1.9	49
79	Effect of doping in carbon nanotubes on the viability of biomimetic chitosan-carbon nanotubes-hydroxyapatite scaffolds. Journal of Biomedical Materials Research - Part A, 2014, 102, 3341-3351.	2.1	20
80	Controlled release of lidocaine hydrochloride from polymerized drug-based deep-eutectic solvents. Journal of Materials Chemistry B, 2014, 2, 7495-7501.	2.9	65
81	Chitosan/MWCNTs-decorated with silver nanoparticle composites: Dielectric and antibacterial characterization. Journal of Applied Polymer Science, 2014, 131, .	1.3	16
82	Effect of water activity in tortilla and its relationship on the acrylamide content after frying. Journal of Food Engineering, 2014, 143, 1-7.	2.7	20
83	Novel gigahertz frequency dielectric relaxations in chitosan films. Soft Matter, 2014, 10, 8673-8684.	1.2	42
84	Exploitation of anaerobic enriched mixed bacteria (AEMB) for the silver and gold nanoparticles synthesis. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 462, 264-270.	2.3	35
85	Polyester fiber production using virgin and recycled PET. Fibers and Polymers, 2014, 15, 547-552.	1.1	26
86	Kinetics and conformational stability studies of recombinant leucine aminopeptidase. International Journal of Biological Macromolecules, 2014, 64, 306-312.	3.6	5
87	Effect of added calcium hydroxide during corn nixtamalization on acrylamide content in tortilla chips. LWT - Food Science and Technology, 2014, 56, 87-92.	2.5	35
88	New insights into the bactericidal activity of chitosan-Ag bionanocomposite: The role of the electrical conductivity. Colloids and Surfaces B: Biointerfaces, 2013, 111, 741-746.	2.5	31
89	Copolymerization of isoprene with polar vinyl monomers: Reactivity ratios, characterization and thermal properties. European Polymer Journal, 2013, 49, 1760-1772.	2.6	19
90	Grafting of Chitosan with Styrene and Maleic Anhydride via Nitroxide-Mediated Radical Polymerization in Supercritical Carbon Dioxide. Macromolecular Chemistry and Physics, 2013, 214, 1396-1404.	1.1	23

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91	Cryogenic Process to Elaborate Poly(ethylene glycol) Scaffolds. Experimental and Simulation Studies. Industrial & Engineering Chemistry Research, 2013, 52, 706-715.	1.8	4
92	Deep eutectic solvents as both active fillers and monomers for frontal polymerization. Journal of Polymer Science Part A, 2013, 51, 1767-1773.	2.5	92
93	Synthesis and characterization of a hybrid (chitosan-glycidyl methacrylate)-xanthan hydrogel. Journal of Biomaterials Science, Polymer Edition, 2013, 24, 1426-1442.	1.9	18
94	Synthesis of macroporous poly(acrylic acid)-carbon nanotube composites by frontal polymerization in deep-eutectic solvents. Journal of Materials Chemistry A, 2013, 1, 3970.	5.2	97
95	Dielectric properties of Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> phase-change films. Journal of Applied Physics, 2013, 113, .	1.1	16
96	Molecular Dynamics Analysis of PVA-AgNP Composites by Dielectric Spectroscopy. Journal of Nanomaterials, 2012, 2012, 1-11.	1.5	36
97	Comparative study of the thermal and mechanical properties of nanocomposites prepared by in situ polymerization of $\epsilon$ -caprolactone and functionalized carbon nanotubes. Polymer Composites, 2012, 33, 562-572.	2.3	11
98	Revisiting the thermal relaxations of poly(vinyl alcohol). Journal of Applied Polymer Science, 2012, 125, 4082-4090.	1.3	14
99	Kinetic study of the nitrosation of 1,1,3-trimethylurea in aqueous acid medium. Reaction Kinetics, Mechanisms and Catalysis, 2012, 105, 285-292.	0.8	2
100	New ecological nixtamalisation process for tortilla production and its impact on the chemical properties of whole corn flour and wastewater effluents. International Journal of Food Science and Technology, 2012, 47, 564-571.	1.3	47
101	Effect of a temperature gradient on ellipsometry measurements in supercritical CO <sub>2</sub> . Journal of Supercritical Fluids, 2012, 64, 25-31.	1.6	9
102	Conductivity Mechanisms in a Composite of Chitosan-Silver Nanoparticles. Molecular Crystals and Liquid Crystals, 2011, 536, 24/[256]-32/[264].	0.4	13
103	Structural and electrical properties of Germanium-doped Sb <sub>70</sub> Te <sub>30</sub> eutectic thin films. Journal of Non-Crystalline Solids, 2011, 357, 1610-1614.	1.5	6
104	Poly[ethylene-co-(acrylic acid)]-based nanocomposites: Thermal and mechanical properties and their structural characteristics studied by Raman spectroscopy. Polymer Composites, 2011, 32, 1181-1189.	2.3	7
105	Frontal polymerizations carried out in deep-eutectic mixtures providing both the monomers and the polymerization medium. Chemical Communications, 2011, 47, 5328.	2.2	127
106	Mechanism and Kinetics of the Spontaneous Thermal Copolymerization of Styrene/Maleic Anhydride. Experimental and Simulation Studies in the Presence of 4-oxo-TEMPO. Macromolecular Reaction Engineering, 2010, 4, 222-234.	0.9	7
107	Modified frontal polymerization of poly(methyl methacrylate). Journal of Applied Polymer Science, 2010, 115, 1289-1295.	1.3	4
108	Postconsumer high-density polyethylene/agave fiber foamed composites coated with chitosan for the removal of heavy metals. Journal of Applied Polymer Science, 2010, 115, 2971-2980.	1.3	5



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109	Chitosan/silver nanoparticles composite: Molecular relaxations investigation by dynamic mechanical analysis and impedance spectroscopy. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 739-748.	2.4	34
110	Dielectric relaxation processes in stoichiometric Ge:Sb:Te amorphous films. Journal of Non-Crystalline Solids, 2010, 356, 2541-2545.	1.5	6
111	Structural and Electrical Characterization of Isotactic PMMA Thin Films Deposited by Spin Coating. Macromolecular Symposia, 2009, 283â€“284, 342-347.	0.4	6
112	Polymer Chain Collapse in Supercritical Fluids. 2. Experimental Evidence. Macromolecular Symposia, 2009, 283â€“284, 266-289.	0.4	2
113	Sol MWD During Styrene, Vinyl Acetate, Methyl Methacrylate, and Butyl Acrylate Homopolymerization: A Numerical Study Using the NFT Approach. Macromolecular Theory and Simulations, 2009, 18, 171-194.	0.6	0
114	Relaxations in chitin: Evidence for a glass transition. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 932-943.	2.4	22
115	Dielectric relaxations of chitosan: The effect of water on the $\alpha$ -relaxation and the glass transition temperature. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 2259-2271.	2.4	58
116	Flow of linear molecules through a 4:1:4 contractionâ€“expansion using non-equilibrium molecular dynamics: Extensional rheology and pressure drop. Journal of Non-Newtonian Fluid Mechanics, 2009, 161, 48-59.	1.0	11
117	Adsorption of Chitosan into SiO <sub>2</sub> Monoliths Materials: Physical and Chemical Properties. Macromolecular Symposia, 2009, 283â€“284, 191-198.	0.4	4
118	Mammalian Cell Culture on a Novel Chitosanâ€“Based Biomaterial Crosslinked with Gluteraldehyde. Macromolecular Symposia, 2009, 283â€“284, 181-190.	0.4	4
119	Chitin Microstructure Formation by Rapid Expansion Techniques with Supercritical Carbon Dioxide. Industrial & Engineering Chemistry Research, 2009, 48, 769-778.	1.8	19
120	Analysis of Nano and Molecular Arrays of Negative Differential Resistance Devices for Sensing and Electronics. IEEE Sensors Journal, 2009, 9, 1136-1141.	2.4	6
121	Phase Behavior and Particle Formation of Poly (1H,1Hâ€“difluorooctyl Methacrylate) in Supercritical CO <sub>2</sub> . Macromolecular Symposia, 2009, 283â€“284, 230-249.	0.4	3
122	Polymer Chain Collapse in Supercritical Fluids. 1. Molecular Simulation Results. Macromolecular Symposia, 2009, 283â€“284, 250-265.	0.4	6
123	Obtainment of Graded Index Preforms by Combined Frontal Coâ€“Polymerization of MMA and BzMA. Macromolecular Symposia, 2009, 283â€“284, 336-341.	0.4	8
124	Evaluation of the Performance of a Kinetic Model for Freeâ€“Radical Copolymerization of Vinyl/Divinyl Monomers in Supercritical Carbon Dioxide. Macromolecular Symposia, 2009, 283â€“284, 103-109.	0.4	6
125	Siliconâ€“Based and Fluorinated Polymeric Surfactants for Nitroxide Mediated Dispersion Polymerization in Supercritical Carbon Dioxide. Macromolecular Symposia, 2009, 283â€“284, 120-129.	0.4	17
126	Emulation of Molecular Programmability Using Microelectronics Programmable Devices. Journal of Physical Chemistry C, 2009, 113, 16254-16258.	1.5	2



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127	Dynamic Mechanical and Dielectric Relaxation Behavior of Chitosan Films: Influence of Water Content. <i>Macromolecular Symposia</i> , 2009, 283-284, 199-204.	0.4	5
128	Thermal behaviour of chitosan and chitin thin films studied by spectroscopic ellipsometry. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 1434-1437.	0.8	18
129	FEMO modelling of optical properties of natural biopolymers chitin and chitosan. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 3736-3739.	0.8	5
130	Controlled Grafting of Polystyrene on Polybutadiene: Mechanism and Spectroscopic Evidence of the Functionalization of Polybutadiene with 4-Oxo-TEMPO. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 2268-2283.	1.1	24
131	Simulation of RAFT Dispersion Polymerization in Supercritical Carbon Dioxide. <i>Macromolecular Theory and Simulations</i> , 2008, 17, 280-289.	0.6	19
132	Calculation of electronic spectra of semiconductor nanostructures using the "mirror" boundary conditions. <i>Applied Surface Science</i> , 2008, 255, 665-668.	3.1	3
133	Formation of integrally skinned asymmetric polysulfone gas separation membranes by supercritical CO <sub>2</sub> . <i>Journal of Membrane Science</i> , 2008, 320, 431-435.	4.1	13
134	A Comparison of Modeling Approaches for Dispersion Homopolymerization of MMA and Styrene in Supercritical CO <sub>2</sub> . <i>Macromolecular Reaction Engineering</i> , 2008, 2, 304-320.	0.9	14
135	Hybrid natural-synthetic chitosan resin: thermal and mechanical behavior. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2008, 19, 259-273.	1.9	12
136	Program for the Analysis of Molecular Arrays of Highly Nonlinear Devices. , 2008, , .		0
137	Modeling of the Homogeneous Free Radical Copolymerization Kinetics of Fluoromonomers in Carbon Dioxide at Supercritical Conditions. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007, 44, 205-213.	1.2	9
138	Synthesis and characterization of chitosan-g-glycidyl methacrylate with methyl methacrylate. <i>European Polymer Journal</i> , 2007, 43, 3963-3969.	2.6	64
139	Synthesis and characterization of a poly(ether-ester) copolymer from poly(2,6 dimethyl-1,4-phenylene) Tj ETQq1 1 0.784314 gBT /Ov 1.3		
140	Modelling of the performance of asphalt pavement using response surface methodology. <i>Building and Environment</i> , 2005, 40, 1140-1149.	3.0	21
141	Flexural behavior and microstructure analysis of a gypsum-SBR composite material. <i>Materials Letters</i> , 2005, 59, 230-233.	1.3	22
142	Preparation and Optical Properties of SiO <sub>2</sub> Sol-Gel Made Glass Colored with Carminic Acid. <i>Journal of Sol-Gel Science and Technology</i> , 2005, 33, 261-267.	1.1	12
143	Formation of Chitin Nanofibers by Supercritical Antisolvent. <i>Journal of Biomedical Nanotechnology</i> , 2005, 1, 109-114.	0.5	16
144	Nonequilibrium molecular dynamics of the rheological and structural properties of linear and branched molecules. Simple shear and poiseuille flows; instabilities and slip. <i>Journal of Chemical Physics</i> , 2005, 123, 054907.	1.2	19

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145	Modeling of the Free-Radical Copolymerization Kinetics with Cross Linking of Vinyl/Divinyl Monomers in Supercritical Carbon Dioxide. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 2823-2844.	1.8	29
146	Simultaneous Correlation of Saturated Viscosities of Pure Gases and Liquids Using the Significant Structure Theory. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 1960-1966.	1.8	7
147	Characterization and degradation of functionalized chitosan with glycidyl methacrylate. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2005, 16, 473-488.	1.9	51
148	Critical flocculation density of dilute water-in-CO <sub>2</sub> emulsions stabilized with block copolymers. <i>Journal of Colloid and Interface Science</i> , 2004, 272, 444-456.	5.0	27
149	Miscibility behavior and hydrogen bonding in blends of poly(vinyl phenyl ketone hydrogenated) and poly(2-ethyl-2-oxazoline). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 636-645.	2.4	16
150	Segmented block copolymers of poly(ethylene glycol) and poly(ethylene terephthalate). <i>Journal of Polymer Science Part A</i> , 2004, 42, 4448-4457.	2.5	12
151	Formation and Growth of Water-in-CO <sub>2</sub> Miniemulsions. <i>Langmuir</i> , 2003, 19, 4895-4904.	1.6	43
152	Optical Processes in PMMA, SiO <sub>2</sub> , and Hybrid Organic-Inorganic Sol-Gel Films Colored with Rhodamine 6GDN. <i>Journal of Physical Chemistry B</i> , 2002, 106, 1550-1556.	1.2	18
153	Modeling of Nonlinear Polyurethane Production in Batch Reactors Using a Kinetic-Probabilistic Approach. <i>Industrial &amp; Engineering Chemistry Research</i> , 2002, 41, 5207-5219.	1.8	9
154	Phase behavior of poly(1,1-dihydroperfluorooctylacrylate) in supercritical carbon dioxide. <i>Fluid Phase Equilibria</i> , 1998, 146, 325-337.	1.4	55
155	Simulation of phase equilibria for polymer-supercritical solvent mixtures. <i>Journal of Chemical Physics</i> , 1998, 108, 4647-4653.	1.2	41
156	Relationship between polymer chain conformation and phase boundaries in a supercritical fluid. <i>Journal of Chemical Physics</i> , 1997, 107, 10782-10792.	1.2	85
157	Polymer chain collapse near the lower critical solution temperature. <i>Chemical Physics Letters</i> , 1997, 278, 302-306.	1.2	42
158	Monte Carlo simulation of polymer chain collapse in athermal solvents. <i>Journal of Chemical Physics</i> , 1996, 104, 9971-9973.	1.2	44
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