

G Luna-Bã;rccenas

List of Publications by Year in descending order

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162
papers

3,931
citations

109137

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168
docs citations

168
times ranked

5216
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#	ARTICLE	IF	CITATIONS
1	Chitosan/silver nanocomposites: Synergistic antibacterial action of silver nanoparticles and silver ions. <i>European Polymer Journal</i> , 2015, 67, 242-251.	2.6	218
2	Free-radical polymerizations of and in deep eutectic solvents: Green synthesis of functional materials. <i>Progress in Polymer Science</i> , 2018, 78, 139-153.	11.8	181
3	FTIR spectroscopy studies on the spontaneous neutralization of chitosan acetate films by moisture conditioning. <i>Vibrational Spectroscopy</i> , 2018, 94, 1-6.	1.2	132
4	Frontal polymerizations carried out in deep-eutectic mixtures providing both the monomers and the polymerization medium. <i>Chemical Communications</i> , 2011, 47, 5328.	2.2	127
5	Microcellular microspheres and microballoons by precipitation with a vapour-liquid compressed fluid antisolvent. <i>Polymer</i> , 1994, 35, 3998-4005.	1.8	104
6	Synthesis of macroporous poly(acrylic acid)-carbon nanotube composites by frontal polymerization in deep-eutectic solvents. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3970.	5.2	97
7	Deep eutectic solvents as both active fillers and monomers for frontal polymerization. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1767-1773.	2.5	92
8	Fruit peels waste for the green synthesis of silver nanoparticles with antimicrobial activity against foodborne pathogens. <i>LWT - Food Science and Technology</i> , 2019, 103, 293-300.	2.5	89
9	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
10	Semicrystalline microfibrils and hollow fibres by precipitation with a compressed-fluid antisolvent. <i>Polymer</i> , 1995, 36, 3173-3182.	1.8	76
11	Controlled release of lidocaine hydrochloride from polymerized drug-based deep-eutectic solvents. <i>Journal of Materials Chemistry B</i> , 2014, 2, 7495-7501.	2.9	65
12	Synthesis and characterization of chitosan-g-glycidyl methacrylate with methyl methacrylate. <i>European Polymer Journal</i> , 2007, 43, 3963-3969.	2.6	64
13	Antimicrobial effect of nisin electrospun amaranth: pullulan nanofibers in apple juice and fresh cheese. <i>International Journal of Food Microbiology</i> , 2019, 295, 25-32.	2.1	61
14	Dielectric relaxations of chitosan: The effect of water on the β -relaxation and the glass transition temperature. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 2259-2271.	2.4	58
15	Phase behavior of poly(1,1-dihydroperfluorooctylacrylate) in supercritical carbon dioxide. <i>Fluid Phase Equilibria</i> , 1998, 146, 325-337.	1.4	55
16	Synthesis of Biodegradable Macroporous Poly(ϵ -lactide)/Poly(μ -caprolactone) Blend Using Oil-in-Eutectic-Mixture High-Internal-Phase Emulsions as Template. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16939-16949.	4.0	55
17	Characterization and degradation of functionalized chitosan with glycidyl methacrylate. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2005, 16, 473-488.	1.9	51
18	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. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2014, 25, 32-50.	1.9	49

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19	Gelatin-chitosan-PVA hydrogels and their application in agriculture. Journal of Chemical Technology and Biotechnology, 2019, 94, 3495-3504.	1.6	49
20	Nanoemulsion Formulations of Fungicide Tebuconazole for Agricultural Applications. Molecules, 2016, 21, 1271.	1.7	48
21	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
22	Monte Carlo simulation of polymer chain collapse in athermal solvents. Journal of Chemical Physics, 1996, 104, 9971-9973.	1.2	44
23	Porous monoliths synthesized via polymerization of styrene and divinyl benzene in nonaqueous deep-eutectic solvent-based HIPEs. RSC Advances, 2015, 5, 23255-23260.	1.7	44
24	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
25	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
26	Formation and Growth of Water-in-CO ₂ Miniemulsions. Langmuir, 2003, 19, 4895-4904.	1.6	43
27	Enzyme-mediated free radical polymerization of acrylamide in deep eutectic solvents. RSC Advances, 2016, 6, 13072-13079.	1.7	43
28	Polymer chain collapse near the lower critical solution temperature. Chemical Physics Letters, 1997, 278, 302-306.	1.2	42
29	Novel gigahertz frequency dielectric relaxations in chitosan films. Soft Matter, 2014, 10, 8673-8684.	1.2	42
30	Simulation of phase equilibria for polymer-supercritical solvent mixtures. Journal of Chemical Physics, 1998, 108, 4647-4653.	1.2	41
31	Atomic Surface Segregation and Structural Characterization of PdPt Bimetallic Nanoparticles. Materials, 2018, 11, 1882.	1.3	39
32	Chitosan-hydroxyapatite nanocomposites: Effect of interfacial layer on mechanical and dielectric properties. Materials Chemistry and Physics, 2018, 217, 151-159.	2.0	39
33	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
34	Molecular Dynamics Analysis of PVA-AgNP Composites by Dielectric Spectroscopy. Journal of Nanomaterials, 2012, 2012, 1-11.	1.5	36
35	Sustainable-solvent-induced polymorphism in chitin films. Green Chemistry, 2016, 18, 4303-4311.	4.6	36
36	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

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37	Effect of added calcium hydroxide during corn nixtamalization on acrylamide content in tortilla chips. <i>LWT - Food Science and Technology</i> , 2014, 56, 87-92.	2.5	35
38	Temperature-induced Au nanostructure synthesis in a nonaqueous deep-eutectic solvent for high performance electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15869-15875.	5.2	35
39	Chitosan/silver nanoparticles composite: Molecular relaxations investigation by dynamic mechanical analysis and impedance spectroscopy. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 739-748.	2.4	34
40	Proton conductivity and relaxation properties of chitosan-acetate films. <i>Electrochimica Acta</i> , 2016, 215, 600-608.	2.6	33
41	Chitosan-BaTiO ₃ nanostructured piezopolymer for tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 196, 111296.	2.5	32
42	New insights into the bactericidal activity of chitosan-Ag bionanocomposite: The role of the electrical conductivity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 741-746.	2.5	31
43	The effect of CNT functionalization on electrical and relaxation phenomena in MWCNT/chitosan composites. <i>Materials Chemistry and Physics</i> , 2015, 155, 252-261.	2.0	30
44	Modeling of the Free-Radical Copolymerization Kinetics with Cross Linking of Vinyl/Divinyl Monomers in Supercritical Carbon Dioxide. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 2823-2844.	1.8	29
45	Stable nisin food-grade electrospun fibers. <i>Journal of Food Science and Technology</i> , 2016, 53, 3787-3794.	1.4	29
46	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
47	Critical flocculation density of dilute water-in-CO ₂ emulsions stabilized with block copolymers. <i>Journal of Colloid and Interface Science</i> , 2004, 272, 444-456.	5.0	27
48	Polyester fiber production using virgin and recycled PET. <i>Fibers and Polymers</i> , 2014, 15, 547-552.	1.1	26
49	Chitosan-ZnO Nanocomposites Assessed by Dielectric, Mechanical, and Piezoelectric Properties. <i>Polymers</i> , 2020, 12, 1991.	2.0	25
50	Controlled Grafting-From 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
51	Paper-Based ZnO Oxygen Sensor. <i>IEEE Sensors Journal</i> , 2015, 15, 1246-1251.	2.4	24
52	Grafting of Chitosan with Styrene and Maleic Anhydride via Nitroxide-Mediated Radical Polymerization in Supercritical Carbon Dioxide. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1396-1404.	1.1	23
53	Development of meniscus substitutes using a mixture of biocompatible polymers and extra cellular matrix components by electrospinning. <i>Materials Science and Engineering C</i> , 2016, 61, 893-905.	3.8	23
54	Flexural behavior and microstructure analysis of a gypsum-SBR composite material. <i>Materials Letters</i> , 2005, 59, 230-233.	1.3	22

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55	Relaxations in chitin: Evidence for a glass transition. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 932-943.	2.4	22
56	Seed-Mediated Growth of Ag@Au Nanodisks with Improved Chemical Stability and Surface-Enhanced Raman Scattering. <i>ACS Omega</i> , 2018, 3, 12600-12608.	1.6	22
57	Modelling of the performance of asphalt pavement using response surface methodology. <i>Building and Environment</i> , 2005, 40, 1140-1149.	3.0	21
58	Chitosan/copper nanocomposites: Correlation between electrical and antibacterial properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 180, 186-192.	2.5	21
59	Effect of doping in carbon nanotubes on the viability of biomimetic chitosan-carbon nanotubes-hydroxyapatite scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 3341-3351.	2.1	20
60	Effect of water activity in tortilla and its relationship on the acrylamide content after frying. <i>Journal of Food Engineering</i> , 2014, 143, 1-7.	2.7	20
61	Quercetin conjugated silica particles as novel biofunctional hybrid materials for biological applications. <i>Journal of Colloid and Interface Science</i> , 2016, 466, 44-55.	5.0	20
62	Development of genistein-PEGylated silica hybrid nanomaterials with enhanced antioxidant and antiproliferative properties on HT29 human colon cancer cells. <i>American Journal of Translational Research (discontinued)</i> , 2018, 10, 2306-2323.	0.0	20
63	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
64	Simulation of RAFT Dispersion Polymerization in Supercritical Carbon Dioxide. <i>Macromolecular Theory and Simulations</i> , 2008, 17, 280-289.	0.6	19
65	Chitin Microstructure Formation by Rapid Expansion Techniques with Supercritical Carbon Dioxide. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 769-778.	1.8	19
66	Copolymerization of isoprene with polar vinyl monomers: Reactivity ratios, characterization and thermal properties. <i>European Polymer Journal</i> , 2013, 49, 1760-1772.	2.6	19
67	Synthesis and functionalization of silica-based nanoparticles with fluorescent biocompounds extracted from <i>Eysenhardtia polystachya</i> for biological applications. <i>Materials Science and Engineering C</i> , 2015, 57, 49-57.	3.8	19
68	Bulk Free Radical Polymerization of Methyl Methacrylate and Vinyl Acetate: A Comparative Study. <i>Macromolecular Reaction Engineering</i> , 2016, 10, 577-587.	0.9	19
69	Chitosan-bioglass coatings on partially nanostructured anodized Ti-6Al-4V alloy for biomedical applications. <i>Surface and Coatings Technology</i> , 2019, 375, 468-476.	2.2	19
70	Optical Processes in PMMA, SiO ₂ , 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
71	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
72	Synthesis and characterization of a hybrid (chitosan-glycidyl methacrylate)-xanthan hydrogel. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013, 24, 1426-1442.	1.9	18

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73	Thermal Stability and Early Degradation Mechanisms of High-Density Polyethylene, Polyamide 6 (Nylon) Tj ETQq1_1_0.784314 rgBT /Ox	1.5	18
74	Silicon-Based and Fluorinated Polymeric Surfactants for Nitroxide Mediated Dispersion Polymerization in Supercritical Carbon Dioxide. Macromolecular Symposia, 2009, 283-284, 120-129.	0.4	17
75	Miscibility behavior and hydrogen bonding in blends of poly(vinyl phenyl ketone hydrogenated) and poly(2-ethyl-2-oxazoline). Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 636-645.	2.4	16
76	Formation of Chitin Nanofibers by Supercritical Antisolvent. Journal of Biomedical Nanotechnology, 2005, 1, 109-114.	0.5	16
77	Dielectric properties of Ge ₂ Sb ₂ Te ₅ phase-change films. Journal of Applied Physics, 2013, 113, .	1.1	16
78	Chitosan/MWCNTs-decorated with silver nanoparticle composites: Dielectric and antibacterial characterization. Journal of Applied Polymer Science, 2014, 131, .	1.3	16
79	Toward a General Methodology for Modeling Diffusive-Controlled Reactions in Free Radical Polymerization. Macromolecular Theory and Simulations, 2016, 25, 28-44.	0.6	16
80	(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
81	Early Stages of Antibacterial Damage of Metallic Nanoparticles by TEM and STEM-HAADF. Current Nanoscience, 2017, 14, 54-61.	0.7	15
82	Synthesis and application of biogenic gold nanomaterials with {110} facets for crude glycerol electro-oxidation. Fuel, 2020, 279, 118505.	3.4	15
83	Use of a Taguchi Design in Hibiscus sabdariffa Extracts Encapsulated by Spray-Drying. Foods, 2020, 9, 128.	1.9	15
84	A Comparison of Modeling Approaches for Dispersion Homopolymerization of MMA and Styrene in Supercritical CO ₂ . Macromolecular Reaction Engineering, 2008, 2, 304-320.	0.9	14
85	Revisiting the thermal relaxations of poly(vinyl alcohol). Journal of Applied Polymer Science, 2012, 125, 4082-4090.	1.3	14
86	Chitosan-hydroxyapatite-MWCNTs nanocomposite patch for bone tissue engineering applications. Materials Today Communications, 2021, 28, 102615.	0.9	14
87	Formation of integrally skinned asymmetric polysulfone gas separation membranes by supercritical CO ₂ . Journal of Membrane Science, 2008, 320, 431-435.	4.1	13
88	Conductivity Mechanisms in a Composite of Chitosan-Silver Nanoparticles. Molecular Crystals and Liquid Crystals, 2011, 536, 24/[256]-32/[264].	0.4	13
89	Phenytoin carried by silica core iron oxide nanoparticles reduces the expression of pharmcoresistant seizures in rats. Nanomedicine, 2015, 10, 3563-3577.	1.7	13
90	Segmented block copolymers of poly(ethylene glycol) and poly(ethylene terephthalate). Journal of Polymer Science Part A, 2004, 42, 4448-4457.	2.5	12

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91	Preparation and Optical Properties of SiO ₂ Sol-Gel Made Glass Colored with Carminic Acid. Journal of Sol-Gel Science and Technology, 2005, 33, 261-267.	1.1	12
92	Hybrid natural-synthetic chitosan resin: thermal and mechanical behavior. Journal of Biomaterials Science, Polymer Edition, 2008, 19, 259-273.	1.9	12
93	Gold nanoparticles bio-reduced by natural extracts of arantho (<i>Kalanchoe daigremontiana</i>) for biological purposes: physicochemical, antioxidant and antiproliferative evaluations. Materials Research Express, 2019, 6, 055010.	0.8	12
94	Flow of linear molecules through a 4:1:4 contraction-“expansion using non-equilibrium molecular dynamics: Extensional rheology and pressure drop. Journal of Non-Newtonian Fluid Mechanics, 2009, 161, 48-59.	1.0	11
95	Comparative study of the thermal and mechanical properties of nanocomposites prepared by in situ polymerization of ̇-caprolactone and functionalized carbon nanotubes. Polymer Composites, 2012, 33, 562-572.	2.3	11
96	New insights in graphene oxide dielectric constant. Materials Research Express, 2019, 6, 085622.	0.8	11
97	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
98	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
99	Modeling of Nonlinear Polyurethane Production in Batch Reactors Using a Kinetic-Probabilistic Approach. Industrial & Engineering Chemistry Research, 2002, 41, 5207-5219.	1.8	9
100	Modeling of the Homogeneous Free-Radical Copolymerization Kinetics of Fluoromonomers in Carbon Dioxide at Supercritical Conditions. Journal of Macromolecular Science - Pure and Applied Chemistry, 2007, 44, 205-213.	1.2	9
101	Effect of a temperature gradient on ellipsometry measurements in supercritical CO ₂ . Journal of Supercritical Fluids, 2012, 64, 25-31.	1.6	9
102	Optical detection of magnetic nanoparticles in colloidal suspensions. Journal of Magnetism and Magnetic Materials, 2016, 402, 150-155.	1.0	9
103	Structure and Properties of Chitosan-silver Nanoparticles Nanocomposites. Current Nanoscience, 2015, 11, 166-174.	0.7	9
104	Obtainment of Graded Index Preforms by Combined Frontal Co-Polymerization of MMA and BzMA. Macromolecular Symposia, 2009, 283-284, 336-341.	0.4	8
105	Simultaneous Correlation of Saturated Viscosities of Pure Gases and Liquids Using the Significant Structure Theory. Industrial & Engineering Chemistry Research, 2005, 44, 1960-1966.	1.8	7
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	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
108	Linseed and Complex Rosin Ester Oils Additivated with MWCNTs and Nanopearls for Gears/Wheel-Rail Systems. European Journal of Lipid Science and Technology, 2020, 122, 1900331.	1.0	7

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109	Probing molecular interactions of polysaccharides in the presence of water. <i>Journal of Molecular Structure</i> , 2020, 1218, 128531.	1.8	7
110	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
111	Tuning H ₂ AuCl ₄ /Sodium Citrate Stoichiometry to Fabricate Chitosan-Au Nanocomposites. <i>Polymers</i> , 2022, 14, 788.	2.0	7
112	Structural and Electrical Characterization of Isotactic PMMA Thin Films Deposited by Spin Coating. <i>Macromolecular Symposia</i> , 2009, 283-284, 342-347.	0.4	6
113	Analysis of Nano and Molecular Arrays of Negative Differential Resistance Devices for Sensing and Electronics. <i>IEEE Sensors Journal</i> , 2009, 9, 1136-1141.	2.4	6
114	Polymer Chain Collapse in Supercritical Fluids. 1. Molecular Simulation Results. <i>Macromolecular Symposia</i> , 2009, 283-284, 250-265.	0.4	6
115	Evaluation of the Performance of a Kinetic Model for Free Radical Copolymerization of Vinyl/Divinyl Monomers in Supercritical Carbon Dioxide. <i>Macromolecular Symposia</i> , 2009, 283-284, 103-109.	0.4	6
116	Dielectric relaxation processes in stoichiometric Ge:Sb:Te amorphous films. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 2541-2545.	1.5	6
117	Structural and electrical properties of Germanium-doped Sb ₇₀ Te ₃₀ eutectic thin films. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 1610-1614.	1.5	6
118	Structural and functional characterization of a recombinant leucine aminopeptidase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 113, 39-46.	1.8	6
119	Development of polymethacrylate nanospheres as targeted delivery systems for catechin within the gastrointestinal tract. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	6
120	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
121	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
122	Postconsumer high-density polyethylene/agave fiber foamed composites coated with chitosan for the removal of heavy metals. <i>Journal of Applied Polymer Science</i> , 2010, 115, 2971-2980.	1.3	5
123	Biocompatibility of Human Auricular Chondrocytes Cultured onto a Chitosan/Polyvinyl Alcohol/Epichlorohydrin-Based Hydrogel for Tissue Engineering Application. <i>International Journal of Morphology</i> , 2014, 32, 1347-1356.	0.1	5
124	Nanowire light scattering variation induced by magnetic alignment. <i>Journal of Applied Physics</i> , 2014, 116, 074305.	1.1	5
125	Kinetics and conformational stability studies of recombinant leucine aminopeptidase. <i>International Journal of Biological Macromolecules</i> , 2014, 64, 306-312.	3.6	5
126	Scanning-probe-microscopy of polyethylene terephthalate surface treatment by argon ion beam. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 362, 49-56.	0.6	5

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127	Plasma membrane damage repair is mediated by an acid sphingomyelinase in <i>Entamoeba histolytica</i> . <i>PLoS Pathogens</i> , 2019, 15, e1008016.	2.1	5
128	Relaxation Phenomena in Chitosan-Au Nanoparticle Thin Films. <i>Polymers</i> , 2021, 13, 3214.	2.0	5
129	Chitosan-Gold Nanocomposite for Copper Ions Detection. <i>Current Nanoscience</i> , 2016, 12, 754-761.	0.7	5
130	Potential Use of Chitosan-TiO ₂ Nanocomposites for the Electroanalytical Detection of Imidacloprid. <i>Polymers</i> , 2022, 14, 1686.	2.0	5
131	Adsorption of Chitosan into SiO ₂ Monoliths Materials: Physical and Chemical Properties. <i>Macromolecular Symposia</i> , 2009, 283-284, 191-198.	0.4	4
132	Mammalian Cell Culture on a Novel Chitosan-Based Biomaterial Crosslinked with Gluteraldehyde. <i>Macromolecular Symposia</i> , 2009, 283-284, 181-190.	0.4	4
133	Modified frontal polymerization of poly(methyl methacrylate). <i>Journal of Applied Polymer Science</i> , 2010, 115, 1289-1295.	1.3	4
134	Cryogenic Process to Elaborate Poly(ethylene glycol) Scaffolds. <i>Experimental and Simulation Studies. Industrial & Engineering Chemistry Research</i> , 2013, 52, 706-715.	1.8	4
135	Synthesis and characterization of simple and binary drug delivery systems for sustainable release of ciprofloxacin. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2019, 68, 751-761.	1.8	4
136	Characterization and sliding wear performance of PMMA reinforced with SiO ₂ nanoparticles. <i>Journal of Thermoplastic Composite Materials</i> , 2020, 33, 867-881.	2.6	4
137	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
138	Percolation Phenomena In Polymer Nanocomposites. <i>Advanced Materials Letters</i> , 2016, 7, 353-359.	0.3	4
139	Turbidimetry by Image Degradation Analysis. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 7574-7579.	2.4	4
140	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
141	Calculation of electronic spectra of semiconductor nanostructures using the δ -boundary conditions. <i>Applied Surface Science</i> , 2008, 255, 665-668.	3.1	3
142	Phase Behavior and Particle Formation of Poly (1H,1H-dihydrofluorooctyl Methacrylate) in Supercritical CO ₂ . <i>Macromolecular Symposia</i> , 2009, 283-284, 230-249.	0.4	3
143	Synthesis of Photochromic Oligophenylenimines: Optical and Computational Studies. <i>Molecules</i> , 2015, 20, 5440-5455.	1.7	3
144	From Intermolecular Interactions to Texture in Polycrystalline Surfaces of 1, ω -alkanediols ($\omega = 10-13$). <i>Molecules</i> , 2017, 22, 956.	1.7	3

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145	(Chitosan-g-glycidyl methacrylate)-collagen II scaffold for cartilage regeneration. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 1043-1053.	1.8	3
146	Small RNAs as a New Platform for Tuning the Biosynthesis of Silver Nanoparticles for Enhanced Material and Functional Properties. ACS Applied Materials & Interfaces, 2021, 13, 36769-36783.	4.0	3
147	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
148	Effect of Chemical Oxidation Routes on the Properties of Chitosan- MWCNT Nanocomposites. Current Nanoscience, 2019, 15, 618-625.	0.7	3
149	Physicochemical properties of pullulan/chitosan/graphene oxide composite films. Polymer International, 0, , .	1.6	3
150	Synthesis and characterization of a poly(ether-ester) copolymer from poly(2,6 dimethyl-1,4-phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.5	2
151	Polymer Chain Collapse in Supercritical Fluids. 2. Experimental Evidence. Macromolecular Symposia, 2009, 283â€“284, 266-289.	0.4	2
152	Emulation of Molecular Programmability Using Microelectronics Programmable Devices. Journal of Physical Chemistry C, 2009, 113, 16254-16258.	1.5	2
153	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
154	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
155	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
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