Jorge Fj Coelho

List of Publications by Year
in descending order

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199 papers	7,793 citations	50276 46 h-index	66911 78 g-index
204 all docs	204 docs citations	204 times ranked	9247 citing authors

#	Article	IF	Citations
1	Preparation of nonmigratory flexible poly(vinyl chloride)-b-poly(n-butyl acrylate)-b-poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf Functional Polymers, 2022, 170, 105138.	4.1	4
2	Expanding the use of affordable CuSO4Â·5H2O in ATRP techniques in homogeneous media. Polymer, 2022, 241, 124526.	3.8	4
3	Tosyl iodide â€“ a new initiator for the photo-controlled iodine transfer polymerization of methacrylates under sunlight irradiation. Polymer Chemistry, 2022, 13, 929-936.	3.9	1
4	Fabrication of 3D scaffolds based on fully biobased unsaturated polyester resins by microstereo-lithography. Biomedical Materials (Bristol), 2022, 17, 025010.	3.3	1
5	L-menthol and thymol eutectic mixture as a bio-based solvent for the â€œone-potâ€•synthesis of well-defined amphiphilic block copolymers by ATRP. Polymer, 2022, 242, 124586.	3.8	7
6	Efficient dispersion of TiO2 in water-based paint formulation using well-defined poly[oligo(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.9	10
7	Engineering silica-polymer hybrid nanosystems for dual drug and gene delivery. , 2022, , 212742.		4
8	Dual electrochemical and chemical control in atom transfer radical polymerization with copper electrodes. Chemical Science, 2022, 13, 6008-6018.	7.4	6
9	The scale-up of electrochemically mediated atom transfer radical polymerization without deoxygenation. Chemical Engineering Journal, 2022, 445, 136690.	12.7	17
10	Photo-degradable, tough and highly stretchable hydrogels. Materials Today Bio, 2022, 15, 100325.	5.5	10
11	Catalytic Halogen Exchange in Supplementary Activator and Reducing Agent Atom Transfer Radical Polymerization for the Synthesis of Block Copolymers. Macromolecular Rapid Communications, 2021, 42, e2000532.	3.9	3
12	Amphiphilic wellâ€defined degradable star block copolymers by combination of ringâ€opening polymerization and atom transfer radical polymerization: Synthesis and application as drug delivery carriers. Journal of Polymer Science, 2021, 59, 211-229.	3.8	21
13	Light-Activated Antimicrobial Surfaces Using Industrial Varnish Formulations to Mitigate the Incidence of Nosocomial Infections. ACS Applied Materials & Interfaces, 2021, 13, 7567-7579.	8.0	15
14	Passivation of the TiO₂ Surface and Promotion of N719 Dye Anchoring with Poly(4-vinylpyridine) for Efficient and Stable Dye-Sensitized Solar Cells. ACS Sustainable Chemistry and Engineering, 2021, 9, 5981-5990.	6.7	14
15	Synthesis and characterization of biobased polyester <scp>PVC</scp> plasticizers to industrial manufacturing of tubes. Journal of Applied Polymer Science, 2021, 138, 50941.	2.6	9
16	Process Development for Flexible Films of Industrial Cellulose Pulp Using Superbase Ionic Liquids. Polymers, 2021, 13, 1767.	4.5	5
17	Validation and psychometric properties of the Brazilian-Portuguese dispositional flow scale 2 (DFS-BR). PLoS ONE, 2021, 16, e0253044.	2.5	6
18	Vinyl Polymer-based technologies towards the efficient delivery of chemotherapeutic drugs. Progress in Polymer Science, 2021, 121, 101432.	24.7	14

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19	Development of light-degradable poly(urethane-urea) hydrogel films. Materials Science and Engineering C, 2021, 131, 112520.	7.3	8
20	Highly Porous Composite Scaffolds Endowed with Antibacterial Activity for Multifunctional Grafts in Bone Repair. Polymers, 2021, 13, 4378.	4.5	9
21	Selfâ€degassing SARA ATRP mediated by Na₂S₂O₄ with no external additives. Journal of Polymer Science, 2020, 58, 145-153.	3.8	8
22	Use of recycled polypropylene/poly(ethylene terephthalate) blends to manufacture water pipes: An industrial scale study. Waste Management, 2020, 101, 250-258.	7.4	34
23	Innovative tailor made dextran based membranes with excellent non-inflammatory response: In vivo assessment. Materials Science and Engineering C, 2020, 107, 110243.	7.3	4
24	Selfâ€degassing SARA ATRP mediated by Na 2 S 2 O 4 with no external additives. Journal of Polymer Science, 2020, 58, 145-153.	3.8	0
25	Untethered Disposable Health Monitoring Electronic Patches with an Integrated Ag₂Oâ€“Zn Battery, a AgInGa Current Collector, and Hydrogel Electrodes. ACS Applied Materials & Interfaces, 2020, 12, 3407-3414.	8.0	43
26	Dextran-based tube-guides for the regeneration of the rat sciatic nerve after neurotmesis injury. Biomaterials Science, 2020, 8, 798-811.	5.4	11
27	Polymerization of Vinyl Chloride at Ambient Temperature Using Macromolecular Design via the Interchange of Xanthate: Kinetic and Computational Studies. Macromolecules, 2020, 53, 190-202.	4.8	12
28	Development of red-light cleavable PEG-PLA nanoparticles as delivery systems for cancer therapy. Colloids and Surfaces B: Biointerfaces, 2020, 196, 111354.	5.0	8
29	The Impact of the Addition of Compatibilizers on Poly (lactic acid) (PLA) Properties after Extrusion Process. Polymers, 2020, 12, 2688.	4.5	1
30	Homogeneous polymerization of hydrophobic monomers in a bio-based dl-menthol/1-tetradecanol eutectic mixture by ATRP and RAFT polymerization. Green Chemistry, 2020, 22, 6827-6835.	9.0	8
31	Nondrying, Sticky Hydrogels for the Next Generation of High-Resolution Conformable Bioelectronics. ACS Applied Electronic Materials, 2020, 2, 3390-3401.	4.3	23
32	Under pressure: electrochemically-mediated atom transfer radical polymerization of vinyl chloride. Polymer Chemistry, 2020, 11, 6745-6762.	3.9	11
33	Glycopolymer Brushes by Reversible Deactivation Radical Polymerization: Preparation, Applications, and Future Challenges. Polymers, 2020, 12, 1268.	4.5	8
34	High Resolution Soft and Stretchable Circuits with PVA/Liquidâ€Metal Mediated Printing. Advanced Materials Technologies, 2020, 5, 2000343.	5.8	42
35	End-capped biobased saturated polyesters as effective plasticizers for PVC. Polymer Testing, 2020, 85, 106406.	4.8	18
36	Efficient internal plasticization of poly(vinyl chloride) via free radical copolymerization of vinyl chloride with an acrylate bearing a triazole phthalate mimic. Polymer, 2020, 196, 122473.	3.8	13

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37	Increasing the Antimicrobial Activity of Amphiphilic Cationic Copolymers by the Facile Synthesis of High Molecular Weight Stars by Supplemental Activator and Reducing Agent Atom Transfer Radical Polymerization. Biomacromolecules, 2019, 20, 1146-1156.	5.4	38
38	Guanidine as inexpensive dual function ligand and reducing agent for ATRP of methacrylates. Polymer Chemistry, 2019, 10, 4944-4953.	3.9	9
39	Liquid salts as eco-friendly solvents for atom transfer radical polymerization: a review. Polymer Chemistry, 2019, 10, 4904-4913.	3.9	15
40	Surface functionalization of cuttlefish bone-derived biphasic calcium phosphate scaffolds with polymeric coatings. Materials Science and Engineering C, 2019, 105, 110014.	7.3	22
41	Replacing Di(2-ethylhexyl) Terephthalate by Di(2-ethylhexyl) 2,5-Furandicarboxylate for PVC Plasticization: Synthesis, Materials Preparation and Characterization. Materials, 2019, 12, 2336.	2.9	25
42	Soft Bioelectronic Stickers: Selection and Evaluation of Skinâ€Interfacing Electrodes. Advanced Healthcare Materials, 2019, 8, e1900234.	7.6	77
43	Brief Overview on Bio-Based Adhesives and Sealants. Polymers, 2019, 11, 1685.	4.5	49
44	Poly(Î²-amino ester)-based gene delivery systems: From discovery to therapeutic applications. Journal of Controlled Release, 2019, 310, 155-187.	9.9	66
45	ECM-enriched alginate hydrogels for bioartificial pancreas: an ideal niche to improve insulin secretion and diabetic glucose profile. Journal of Applied Biomaterials and Functional Materials, 2019, 17, 228080001984892.	1.6	9
46	The impact of the introduction of hydrolyzed cellulose on the thermal and mechanical properties of LDPE composites. European Journal of Wood and Wood Products, 2019, 77, 1095-1106.	2.9	4
47	The influence of poly(ester amide) on the structural and functional features of 3D additive manufactured poly(Îµ-caprolactone) scaffolds. Materials Science and Engineering C, 2019, 98, 994-1004.	7.3	40
48	Pushing the limits of robust and eco-friendly ATRP processes: untreated water as the solvent. Polymer Chemistry, 2019, 10, 938-944.	3.9	18
49	Glycidyl methacrylate-based copolymers as new compatibilizers for polypropylene/ polyethylene terephthalate blends. Journal of Polymer Research, 2019, 26, 1.	2.4	6
50	Poly(ethylene glycol)-block-poly(2-aminoethyl methacrylate hydrochloride)-Based Polyplexes as Serum-Tolerant Nanosystems for Enhanced Gene Delivery. Molecular Pharmaceutics, 2019, 16, 2129-2141.	4.6	16
51	Thiourea Dioxide As a Green and Affordable Reducing Agent for the ARGET ATRP of Acrylates, Methacrylates, Styrene, Acrylonitrile, and Vinyl Chloride. ACS Macro Letters, 2019, 8, 315-319.	4.8	31
52	Cinnamic acid derivatives as promising building blocks for advanced polymers: synthesis, properties and applications. Polymer Chemistry, 2019, 10, 1696-1723.	3.9	66
53	Near infrared light-triggered nanoparticles using singlet oxygen photocleavage for drug delivery systems. Journal of Controlled Release, 2019, 294, 337-354.	9.9	77
54	Critical process parameters of orodispersible films (ODFs). International Journal of Pharmaceutics, 2018, 536, 507.	5.2	0

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55	The influence of using sodium dithionite as SARA agent in miniemulsion ATRP. Journal of Polymer Science Part A, 2018, 56, 879-888.	2.3	2
56	Deep Eutectic Solvent Aqueous Solutions as Efficient Media for the Solubilization of Hardwood Xylans. ChemSusChem, 2018, 11, 753-762.	6.8	75
57	Tailored design of renewable copolymers based on poly(1,4-butylene 2,5-furandicarboxylate) and poly(ethylene glycol) with refined thermal properties. Polymer Chemistry, 2018, 9, 722-731.	3.9	49
58	Addressing the role of triphenylphosphine in copper catalyzed ATRP. Polymer Chemistry, 2018, 9, 5348-5358.	3.9	7
59	A simple strategy toward the substitution of styrene by sobrerol-based monomers in unsaturated polyester resins. Green Chemistry, 2018, 20, 4880-4890.	9.0	44
60	Poly(vinyl chloride): current status and future perspectives via reversible deactivation radical polymerization methods. Progress in Polymer Science, 2018, 87, 34-69.	24.7	44
61	Towards the development of electrospun mats from poly(Îµ-caprolactone)/poly(ester amide)s miscible blends. Polymer, 2018, 150, 343-359.	3.8	4
62	Preparation of well-defined brush-like block copolymers for gene delivery applications under biorelevant reaction conditions. Colloids and Surfaces B: Biointerfaces, 2018, 169, 107-117.	5.0	9
63	Reversible Deactivation Radical Polymerization of Vinyl Chloride. ACS Symposium Series, 2018, , 227-261.	0.5	4
64	Outlining critical quality attributes (CQAs) as guidance for the development of orodispersible films. Pharmaceutical Development and Technology, 2017, 22, 237-245.	2.4	31
65	Ambient temperature SARAATRP for meth(acrylates), styrene, and vinyl chloride using sulfolane/1-butyl-3-methylimidazolium hexafluorophosphate-based mixtures. Journal of Polymer Science Part A, 2017, 55, 1322-1328.	2.3	14
66	Three-dimensional printed bone scaffolds: The role of nano/micro-hydroxyapatite particles on the adhesion and differentiation of human mesenchymal stem cells. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2017, 231, 555-564.	1.8	82
67	Recent advances in smart biotechnology: Hydrogels and nanocarriers for tailored bioactive molecules depot. Advances in Colloid and Interface Science, 2017, 249, 163-180.	14.7	44
68	Retrospective Quality by Design (rQbD) applied to the optimization of orodispersible films. International Journal of Pharmaceutics, 2017, 528, 655-663.	5.2	19
69	Polyacrylonitrile-b-poly(butyl acrylate) Block Copolymers as Precursors to Mesoporous Nitrogen-Doped Carbons: Synthesis and Nanostructure. Macromolecules, 2017, 50, 2759-2767.	4.8	53
70	Correlating thermophysical properties with the molecular composition of 19th century chrome yellow oil paints. Polymer Degradation and Stability, 2017, 138, 201-211.	5.8	4
71	The potential of unsaturated polyesters in biomedicine and tissue engineering: Synthesis, structure-properties relationships and additive manufacturing. Progress in Polymer Science, 2017, 68, 1-34.	24.7	73
72	Efficient dispersion of TiO2 using tailor made poly(acrylic acid) â^' based block copolymers, and its incorporation in water based paint formulation. Progress in Organic Coatings, 2017, 104, 34-42.	3.9	29

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73	Deep eutectic solvents (DES): Excellent green solvents for rapid SARA ATRP of biorelevant hydrophilic monomers at ambient temperature. Polymer, 2017, 132, 114-121.	3.8	27
74	Combination of Poly[(2-dimethylamino)ethyl methacrylate] and Poly(Î²-amino ester) Results in a Strong and Synergistic Transfection Activity. Biomacromolecules, 2017, 18, 3331-3342.	5.4	21
75	Preparation of fully biobased epoxy resins from soybean oil based amine hardeners. Industrial Crops and Products, 2017, 109, 434-444.	5.2	46
76	Mechanism of supplemental activator and reducing agent atom transfer radical polymerization mediated by inorganic sulfites: experimental measurements and kinetic simulations. Polymer Chemistry, 2017, 8, 6506-6519.	3.9	25
77	Increasing the Bile Acid Sequestration Performance of Cationic Hydrogels by Using an Advanced/Controlled Polymerization Technique. Pharmaceutical Research, 2017, 34, 1934-1943.	3.5	6
78	The impact of a designed lactic acid-based crosslinker in the thermochemical properties of unsaturated polyester resins/nanoprecipitated calcium carbonate composites. Journal of Materials Science, 2017, 52, 1272-1284.	3.7	23
79	High transfection efficiency promoted by tailor-made cationic tri-block copolymer-based nanoparticles. Acta Biomaterialia, 2017, 47, 113-123.	8.3	29
80	Aqueous SARA ATRP using inorganic sulfites. Polymer Chemistry, 2017, 8, 375-387.	3.9	45
81	Eutectic mixtures as a green alternative for efficient catalyst recycling in atom transfer radical polymerizations. Journal of Polymer Science Part A, 2017, 55, 371-381.	2.3	17
82	Effect of in Vitro Enzymatic Degradation on 3D Printed Poly(Îµ-Caprolactone) Scaffolds: Morphological, Chemical and Mechanical Properties. Journal of Applied Biomaterials and Functional Materials, 2017, 15, 185-195.	1.6	14
83	Going greener: Synthesis of fully biobased unsaturated polyesters for styrene crosslinked resins with enhanced thermomechanical properties. EXPRESS Polymer Letters, 2017, 11, 885-898.	2.1	36
84	Recent Developments in Antimicrobial Polymers: A Review. Materials, 2016, 9, 599.	2.9	153
85	Synthesis of tailor-made bile acid sequestrants by supplemental activator and reducing agent atom transfer radical polymerization. RSC Advances, 2016, 6, 52143-52153.	3.6	13
86	Dynamic Mechanical Thermal Analysis of Polymer Composites Reinforced with Natural Fibers. Polymer Reviews, 2016, 56, 362-383.	10.9	70
87	Novel flexible, hybrid aerogels with vinyl- and methyltrimethoxysilane in the underlying silica structure. Journal of Materials Science, 2016, 51, 6781-6792.	3.7	48
88	Room temperature aqueous self-assembly of poly(ethylene glycol)-poly(4-vinyl pyridine) block copolymers: From spherical to worm-like micelles. Colloids and Surfaces B: Biointerfaces, 2016, 145, 447-453.	5.0	11
89	Peripheral Nerve Regeneration: Current Status and New Strategies Using Polymeric Materials. Advanced Healthcare Materials, 2016, 5, 2732-2744.	7.6	79
90	Hydrophobic polymers for orodispersible films: a quality by design approach. Expert Opinion on Drug Delivery, 2016, 13, 1357-1374.	5.0	6

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91	Novel composites from green unsaturated polyesters and fly ashes: Preparation and characterization. Reactive and Functional Polymers, 2016, 106, 24-31.	4.1	13
92	Synthesis and characterization of new temperature-responsive nanocarriers based on POEOMA- b -PNVCL prepared using a combination of ATRP, RAFT and CuAAC. European Polymer Journal, 2016, 81, 224-238.	5.4	12
93	Renewable-based poly((ether)ester)s from 2,5-furandicarboxylic acid. Polymer, 2016, 98, 129-135.	3.8	58
94	Nitroxide-Mediated Polymerization of Vinyl Chloride at Low Temperature: Kinetic and Computational Studies. Macromolecules, 2016, 49, 490-498.	4.8	34
95	Getting faster: low temperature copper-mediated SARA ATRP of methacrylates, acrylates, styrene and vinyl chloride in polar media using sulfolane/water mixtures. RSC Advances, 2016, 6, 9598-9603.	3.6	33
96	Soybean and coconut oil based unsaturated polyester resins: Thermomechanical characterization. Industrial Crops and Products, 2016, 85, 403-411.	5.2	30
97	Synthesis of well-defined alkyne terminated poly(N-vinyl caprolactam) with stringent control over the LCST by RAFT. RSC Advances, 2016, 6, 16996-17007.	3.6	22
98	Ambient Temperature Transition-Metal-Free Dissociative Electron Transfer Reversible Additionâ€“Fragmentation Chain Transfer Polymerization (DET-RAFT) of Methacrylates, Acrylates, and Styrene. Macromolecules, 2016, 49, 1597-1604.	4.8	28
99	Cyclopentyl methyl ether as a green solvent for reversible-addition fragmentation chain transfer and nitroxide-mediated polymerizations. RSC Advances, 2016, 6, 7495-7503.	3.6	21
100	New unsaturated copolyesters based on 2,5-furandicarboxylic acid and their crosslinked derivatives. Polymer Chemistry, 2016, 7, 1049-1058.	3.9	60
101	Effect of binder on performance of intumescent coatings. Journal of Coatings Technology Research, 2016, 13, 227-238.	2.5	22
102	Synthesis and characterization of high performance superabsorbent hydrogels using bis[2-(methacryloyloxy)ethyl] phosphate as crosslinker. EXPRESS Polymer Letters, 2016, 10, 248-258.	2.1	23
103	Cyclopentyl methyl ether: A new green coâ€solvent for supplemental activator and reducing agent atom transfer radical polymerization. Journal of Polymer Science Part A, 2015, 53, 2722-2729.	2.3	27
104	Polyethylene Terephthalate: Copolyesters, Composites, and Renewable Alternatives. , 2015, , 113-141.		7
105	Supported Catalysis in Carbon Dioxide Activation. Current Green Chemistry, 2015, 2, 43-65.	1.1	5
106	Oral films: Current status and future perspectives. Journal of Controlled Release, 2015, 206, 1-19.	9.9	223
107	Preparation of robust polyamide microcapsules by interfacial polycondensation ofp-phenylenediamine and sebacoyl chloride and plasticization with oleic acid. Journal of Microencapsulation, 2015, 32, 349-357.	2.8	3
108	Biobased polyesters and other polymers from 2,5-furandicarboxylic acid: a tribute to furan excellency. Polymer Chemistry, 2015, 6, 5961-5983.	3.9	531

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109	Oral films: Current status and future perspectives II â€" Intellectual property, technologies and market needs. Journal of Controlled Release, 2015, 206, 108-121.	9.9	55
110	Ambient Temperature â€œFlashâ€•SARA ATRP of Methyl Acrylate in Water/Ionic Liquid/Glycol Mixtures. Macromolecules, 2015, 48, 6810-6815.	4.8	24
111	Synthesis of functionalized poly(vinyl acetate) mediated by alkyne-terminated RAFT agents. RSC Advances, 2015, 5, 91225-91234.	3.6	23
112	Synthesis of unsaturated polyesters based on renewable monomers: Structure/properties relationship and crosslinking with 2-hydroxyethyl methacrylate. Reactive and Functional Polymers, 2015, 97, 1-11.	4.1	50
113	Mucoadhesive oral films: The potential for unmet needs. International Journal of Pharmaceutics, 2015, 494, 537-551.	5.2	48
114	Bioabsorbable polymers in cancer therapy: latest developments. EPMA Journal, 2015, 6, 22.	6.1	47
115	Straightforward functionalization of acrylated soybean oil by Michael-addition and Dielsâ€"Alder reactions. Industrial Crops and Products, 2015, 64, 33-38.	5.2	7
116	Facile synthesis of well-controlled poly(glycidyl methacrylate) and its block copolymers via SARA ATRP at room temperature. Polymer Chemistry, 2015, 6, 1875-1882.	3.9	8
117	Novel Cationic Triblock Copolymer of Poly[2-(dimethylamino)ethyl methacrylate]-block-poly(Î²-amino ester)-block-poly[2-(dimethylamino)ethyl methacrylate]: A Promising Non-Viral Gene Delivery System. Macromolecular Bioscience, 2015, 15, 215-228.	4.1	17
118	Stabilization of polymer lipid complexes prepared with lipids of lactic acid bacteria upon preservation and internalization into eukaryotic cells. Colloids and Surfaces B: Biointerfaces, 2014, 123, 446-451.	5.0	6
119	A New Generation of Furanic Copolyesters with Enhanced Degradability: Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 34 Physics, 2014, 215, 2175-2184.	2.2	92
120	Efficient RAFT polymerization of N-(3-aminopropyl)methacrylamide hydrochloride using unprotected â€œclickableâ€•chain transfer agents. Reactive and Functional Polymers, 2014, 81, 1-7.	4.1	12
121	Synthesis of well-defined functionalized poly(2-(diisopropylamino)ethyl methacrylate) using ATRP with sodium dithionite as a SARA agent. Polymer Chemistry, 2014, 5, 3919-3928.	3.9	36
122	Precast alkali-activated concrete towards sustainable construction. Magazine of Concrete Research, 2014, 66, 618-626.	2.0	17
123	Synergistic Effect of 1-Butyl-3-methylimidazolium Hexafluorophosphate and DMSO in the SARA ATRP at Room Temperature Affording Very Fast Reactions and Polymers with Very Low Dispersity. ACS Macro Letters, 2014, 3, 544-547.	4.8	26
124	The quest for sustainable polyesters â€" insights into the future. Polymer Chemistry, 2014, 5, 3119-3141.	3.9	438
125	3D printing of new biobased unsaturated polyesters by microstereo-thermal-lithography. Biofabrication, 2014, 6, 035024.	7.1	29
126	Improvement of the control over SARA ATRP of 2-(diisopropylamino)ethyl methacrylate by slow and continuous addition of sodium dithionite. Polymer Chemistry, 2014, 5, 4617-4626.	3.9	30

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127	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. Polymer Bulletin, 2014, 71, 3085-3109.	3.3	8
128	Stabilization of nano-TiO2 aqueous dispersions with poly(ethylene glycol)-b-poly(4-vinyl pyridine) block copolymer and their incorporation in photocatalytic acrylic varnishes. Progress in Organic Coatings, 2014, 77, 1741-1749.	3.9	17
129	Poly(ethylene glycol)-block-poly(4-vinyl pyridine) as a versatile block copolymer to prepare nanoaggregates of superparamagnetic iron oxide nanoparticles. Journal of Materials Chemistry B, 2014, 2, 1565.	5.8	22
130	Sulfolane: an Efficient and Universal Solvent for Copper-Mediated Atom Transfer Radical (co)Polymerization of Acrylates, Methacrylates, Styrene, and Vinyl Chloride. ACS Macro Letters, 2014, 3, 858-861.	4.8	37
131	Straightforward ARGET ATRP for the Synthesis of Primary Amine Polymethacrylate with Improved Chain-End Functionality under Mild Reaction Conditions. Macromolecules, 2014, 47, 4615-4621.	4.8	39
132	Insights into the thermo-mechanical properties of films cast from emulsion terpolymers. Progress in Organic Coatings, 2014, 77, 790-797.	3.9	6
133	Fabrication and characterisation of PCL and PCL/PLA scaffolds for tissue engineering. Rapid Prototyping Journal, 2014, 20, 145-156.	3.2	110
134	Synthesis of cationic poly((3-acrylamidopropyl)trimethylammonium chloride) by SARA ATRP in ecofriendly solvent mixtures. Polymer Chemistry, 2014, 5, 5829-5836.	3.9	41
135	Novel nanoaggregates with peripheric superparamagnetic iron oxide nanoparticles and organic cores through self-assembly of tailor-made block copolymers. RSC Advances, 2014, 4, 24428-24432.	3.6	8
136	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. Journal of Applied Polymer Science, 2013, 127, 3407-3417.	2.6	6
137	Ambient temperature rapid SARA ATRP of acrylates and methacrylates in alcoholâ€“water solutions mediated by a mixed sulfite/Cu(ii)Br2 catalytic system. Polymer Chemistry, 2013, 4, 5629.	3.9	70
138	Synthesis of bifunctional cyclic carbonates from CO2 catalysed by choline-based systems. Tetrahedron Letters, 2013, 54, 5518-5522.	1.4	39
139	Phenolic composition and antioxidant activity of industrial cork by-products. Industrial Crops and Products, 2013, 47, 262-269.	5.2	65
140	Effect of cholesterol-poly(N,N-dimethylaminoethyl methacrylate) on the properties of stimuli-responsive polymer liposome complexes. Colloids and Surfaces B: Biointerfaces, 2013, 104, 254-261.	5.0	14
141	Facile Synthesis of Wellâ€Defined Telechelic Alkyneâ€Terminated Polystyrene in Polar Media Using ATRP With Mixed Fe/Cu Transition Metal Catalyst. Macromolecular Chemistry and Physics, 2013, 214, 76-84.	2.2	27
142	Synthesis of amphiphilic PVC-b-poly(hydroxypropyl acrylate) (PHPA)-b-PVC block copolymers with low PHPA contents and different molecular weights by (Single Electron Transfer)-(Degenerative Chain) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.4	6
143	Strength improvement of mortar composites reinforced with newly hybrid-blended fibres: Influence of fibres geometry and morphology. Construction and Building Materials, 2013, 40, 473-480.	7.2	60
144	Polymeric bile acid sequestrantsâ€”Synthesis using conventional methods and new approaches based on â€œcontrolledâ€ living radical polymerization. Progress in Polymer Science, 2013, 38, 445-461.	24.7	33

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145	Poly(ester amide)s based on (L)-lactic acid oligomers and Î±-amino acids: influence of the Î±-amino acid side chain in the poly(ester amide)s properties. Journal of Biomaterials Science, Polymer Edition, 2013, 24, 1391-1409.	3.5	14
146	Synthesis of well-defined poly(2-(dimethylamino)ethyl methacrylate) under mild conditions and its co-polymers with cholesterol and PEG using Fe(0)/Cu(ii) based SARA ATRP. Polymer Chemistry, 2013, 4, 3088.	3.9	67
147	Poly(vinyl chloride)â€bâ€poly(hydroxypropyl acrylate)â€bâ€Poly(vinyl chloride): Understanding the synthesis of an amphiphilic PVC block copolymer on a pilot scale. Journal of Vinyl and Additive Technology, 2013, 19, 94-104.	3.4	4
148	New copolyesters derived from terephthalic and 2,5-furandicarboxylic acids: A step forward in the development of biobased polyesters. Polymer, 2013, 54, 513-519.	3.8	136
149	Bioartificial Pancreas: In the Road to Clinical Application. Advances in Predictive, Preventive and Personalised Medicine, 2013, , 127-151.	0.6	3
150	Synthesis of well controlled dendritic structures for biomedical applications. , 2013, , .		0
151	Hybrid polyethylene/polypropylene blended fiber-reinforced cement composite. Journal of Composite Materials, 2013, 47, 3131-3141.	2.4	11
152	Release of Volatile Compounds from Polymeric Microcapsules Mediated by Photocatalytic Nanoparticles. International Journal of Photoenergy, 2013, 2013, 1-9.	2.5	7
153	Molecular Dynamics Study of Oligomer-Membrane Complexes with Biomedical Relevance. Advanced Structured Materials, 2013, , 55-67.	0.5	0
154	Novel poly(ester amide)s from glycine and <scp>L</scp>â€lactic acid by an easy and costâ€effective synthesis. Polymer International, 2013, 62, 736-743.	3.1	13
155	Surgical adhesives: Systematic review of the main types and development forecast. Progress in Polymer Science, 2012, 37, 1031-1050.	24.7	293
156	Inorganic Sulfites: Efficient Reducing Agents and Supplemental Activators for Atom Transfer Radical Polymerization. ACS Macro Letters, 2012, 1, 1308-1311.	4.8	95
157	Reversible Additionâ€“Fragmentation Chain Transfer Polymerization of Vinyl Chloride. Macromolecules, 2012, 45, 2200-2208.	4.8	61
158	Accelerated Ambientâ€Temperature ATRP of Methyl Acrylate in Alcoholâ€“Water Solutions with a Mixed Transitionâ€Metal Catalyst System. Macromolecular Chemistry and Physics, 2012, 213, 1677-1687.	2.2	34
159	Copperâ€Mediated Controlled/â€œLivingâ€•Radical Polymerization in Polar Solvents: Insights into Some Relevant Mechanistic Aspects. Chemistry - A European Journal, 2012, 18, 4607-4612.	3.3	64
160	Phosphonium-based ionic liquids as modifiers for biomedical grade poly(vinyl chloride). Acta Biomaterialia, 2012, 8, 1366-1379.	8.3	62
161	Scaling-up of poly(vinyl chloride) prepared by single electron transferâ€“degenerative chain transfer mediated living radical polymerization in water mediaâ€”II: High molecular weight-ultra stable PVC. Chemical Engineering Science, 2012, 69, 122-128.	3.8	13
162	Isolation and valorisation of vegetable proteins from oilseed plants: Methods, limitations and potential. Journal of Food Engineering, 2012, 109, 337-346.	5.2	110

#	Article	IF	Citations
163	Photocrosslinkable Polymers for Biomedical Applications. , 2011, , .		5
164	Scaling-up of poly(vinyl chloride) prepared by single electron transfer degenerative chain transfer Chemical Engineering Journal, 2011, 169, 399-413.	12.7	15
165	Ambient temperature rapid ATRP of methyl acrylate, methyl methacrylate and styrene in polar solvents with mixed transition metal catalyst system. European Polymer Journal, 2011, 47, 1460-1466.	5.4	60
166	Insight on the periodate oxidation of dextran and its structural vicissitudes. Polymer, 2011, 52, 258-265.	3.8	127
167	Particle features and morphology of poly(vinyl chloride) prepared by living radical polymerisation in aqueous media. Insight about particle formation mechanism. Polymer, 2011, 52, 2998-3010.	3.8	22
168	Modification of poly(3â€hydroxybutyrate)â€coâ€poly(3â€hydroxyvalerate) with natural rubber. Journal of Applied Polymer Science, 2010, 116, 718-726.	2.6	4
169	Drug delivery systems: Advanced technologies potentially applicable in personalized treatments. EPMA Journal, 2010, 1, 164-209.	6.1	293
170	Temperature and pH responsive polymers based on chitosan: Applications and new graft copolymerization strategies based on living radical polymerization. Carbohydrate Polymers, 2010, 80, 618-630.	10.2	112
171	Poly(vinyl chloride) and wood flour press mould composites: New bonding strategies. Journal of Applied Polymer Science, 2009, 113, 2727-2738.	2.6	9
172	Synthesis of poly(2â€methoxyethyl acrylate) by single electron transferâ€"Degenerative transfer living radical polymerization catalyzed by Na₂S₂O₄ in water. Journal of Polymer Science Part A, 2009, 47, 4454-4463.	2.3	28
173	Synthesis of high glass transition temperature copolymers based on poly(vinyl chloride) via single electron transferâ€"Degenerative chain transfer mediated living radical polymerization (SETâ€DTLRP) of vinyl chloride in water. Journal of Polymer Science Part A, 2009, 47, 7021-7031.	2.3	17
174	Comparative non-isothermal kinetic analysis of thermal degradation of poly(vinyl chloride) prepared by living and conventional free radical polymerization methods. European Polymer Journal, 2009, 45, 1949-1959.	5.4	18
175	Surface modification and characterization of thermoplastic polyurethane. European Polymer Journal, 2009, 45, 1412-1419.	5.4	160
176	Synthesis of poly(ethyl acrylate) by single electron transferâ€degenerative chain transfer living radical polymerization in water catalyzed by Na₂S₂O₄. Journal of Polymer Science Part A, 2008, 46, 421-432.	2.3	26
177	Influence of the isomeric structures of butyl acrylate on its singleâ€electron transferâ€degenerative chain transfer living radical polymerization in water Catalyzed by Na₂S₂O₄. Journal of Polymer Science Part A, 2008, 46, 6542-6551.	2.3	38
178	Thermal characterization of poly(vinyl chloride) samples prepared by living radical polymerization: Comparison with poly(vinyl chloride) prepared by free radical polymerization. Journal of Applied Polymer Science, 2008, 109, 2729-2736.	2.6	14
179	Development of a new photocrosslinkable biodegradable bioadhesive. International Journal of Pharmaceutics, 2008, 352, 172-181.	5.2	74
180	Photocrosslinkable starch-based polymers for ophthalmologic drug delivery. International Journal of Biological Macromolecules, 2008, 43, 325-332.	7.5	39

#	Article	IF	Citations
181	New Approaches in Drug Delivery Systems: Application for Diabetes Treatment. Infectious Disorders - Drug Targets, 2008, 8, 119-128.	0.8	5
182	Modification of the biopolymer castor oil with free isocyanate groups to be applied as bioadhesive. International Journal of Biological Macromolecules, 2007, 40, 144-152.	7.5	123
183	Synthesis and characterization of a poly(ethylene glycol) prepolymer to be applied as a bioadhesive. Journal of Applied Polymer Science, 2007, 105, 593-601.	2.6	15
184	Synthesis of Poly(lauryl acrylate) by Single-Electron Transfer/Degenerative Chain Transfer Living Radical Polymerization Catalyzed by Na2S2O4 in Water. Macromolecular Chemistry and Physics, 2007, 208, 1218-1227.	2.2	40
185	Processability and characterization of poly(vinyl chloride)-b-poly(n-butyl acrylate)-b-poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T commercial resin formulation prepared with PVC and dioctyl phthalate. Journal of Vinyl and Additive Technology, 2006, 12, 156-165.	3.4	49
186	Thermal Characterization of Chitosanâ€Grafted Membranes to be Used as Wound Dressings. Journal of Carbohydrate Chemistry, 2006, 25, 233-251.	1.1	20
187	Single electron transferâ€“degenerative chain transfer living radical polymerization of N-butyl acrylate catalyzed by Na2S2O4 in water media. Journal of Polymer Science Part A, 2006, 44, 2809-2825.	2.3	51
188	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. Journal of Polymer Science Part A, 2006, 44, 3001-3008.	2.3	63
189	Characterization of suspension poly(vinyl chloride) resins and narrow polystyrene standards by size exclusion chromatography with multiple detectors: Online right angle laser-light scattering and differential viscometric detectors. European Polymer Journal, 2006, 42, 751-763.	5.4	29
190	Thermal and mechanical characterization of poly(vinyl chloride)-b-poly(butyl acrylate)-b-poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 polymerization in water. European Polymer Journal, 2006, 42, 2313-2319.	5.4	43
191	Synthesis and characterization of membranes obtained by graft copolymerization of 2-hydroxyethyl methacrylate and acrylic acid onto chitosan. International Journal of Pharmaceutics, 2006, 310, 37-45.	5.2	91
192	Scale-up of Poly[(Vinyl Chloride)-b-(n-Butyl Acrylate)-b-(Vinyl Chloride)] prepared by Living Radical Polymerization. Materials Science Forum, 2006, 514-516, 975-979.	0.3	2
193	Single electron transfer-degenerative chain transfer mediated living radical polymerization (SET-DTLRP) of vinyl chloride initiated with methylene iodide and catalyzed by sodium dithionite. Journal of Polymer Science Part A, 2005, 43, 773-778.	2.3	41
194	Phase transfer catalyzed single electron transfer-degenerative chain transfer mediated living radical polymerization (PTC-SET-DTLRP) of vinyl chloride catalyzed by sodium dithionite and initiated with iodoform in water at 43 Â°C. Journal of Polymer Science Part A, 2005, 43, 779-788.	2.3	39
195	Accelerated synthesis of poly(methyl methacrylate)-b-poly(vinyl chloride)-b-poly(methyl methacrylate) block copolymers by the CuCl/tris(2-dimethylaminoethyl)amine-catalyzed living radical block copolymerization of methyl methacrylate initiated with ?,?-di(iodo)poly(vinyl chloride) in dimethyl sulfoxide at 90 ï¿½C. Journal of Polymer Science Part A, 2005, 43, 1649-1659.	2.3	39
196	Non-transition metal-catalyzed living radical polymerization of vinyl chloride initiated with iodoform in water at 25 Â°C. Journal of Polymer Science Part A, 2004, 42, 6267-6282.	2.3	112
197	Hybrid Fibre-Reinforced Cement Composite. Materials Science Forum, 0, 730-732, 343-348.	0.3	0
198	Straightforward Synthesis of Amido Polyols from Epoxidized Soybean Oil for Polyurethane Films. Macromolecular Materials and Engineering, 0, , 2100453.	3.6	4

#	Article	IF	Citations
199	Application of vinyl polymerâ€based materials as nucleic acids carriers in cancer therapy. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 0, , .	6.1	0