Patricia Mendonca

List of Publications by Year
in descending order

46	1,591	279487	301761
papers	citations	23 h-index	39 g-index

46	46	46	1856
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Expanding the use of affordable CuSO4Â·5H2O in ATRP techniques in homogeneous media. Polymer, 2022, 241, 124526.	1.8	4
2	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.	1.8	7
3	Efficient dispersion of TiO2 in water-based paint formulation using well-defined poly[oligo(ethylene) Tj ETQq1 1 0.784314 rgBT /Over	1.9	10
4	Engineering silica-polymer hybrid nanosystems for dual drug and gene delivery. , 2022, , 212742.		4
5	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.	2.0	21
6	Light-Activated Antimicrobial Surfaces Using Industrial Varnish Formulations to Mitigate the Incidence of Nosocomial Infections. ACS Applied Materials & Interfaces, 2021, 13, 7567-7579.	4.0	15
7	Selfâ€degassing SARA ATRP mediated by Na₂S₂O₄ with no external additives. Journal of Polymer Science, 2020, 58, 145-153.	2.0	8
8	Selfâ€degassing SARA ATRP mediated by Na 2 S 2 O 4 with no external additives. Journal of Polymer Science, 2020, 58, 145-153.	2.0	0
9	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.	4.6	8
10	Glycopolymer Brushes by Reversible Deactivation Radical Polymerization: Preparation, Applications, and Future Challenges. Polymers, 2020, 12, 1268.	2.0	8
11	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.	2.6	38
12	Guanidine as inexpensive dual function ligand and reducing agent for ATRP of methacrylates. Polymer Chemistry, 2019, 10, 4944-4953.	1.9	9
13	Liquid salts as eco-friendly solvents for atom transfer radical polymerization: a review. Polymer Chemistry, 2019, 10, 4904-4913.	1.9	15
14	Co-Polymers based on Poly(1,4-butylene 2,5-furandicarboxylate) and Poly(propylene oxide) with Tuneable Thermal Properties: Synthesis and Characterization. Materials, 2019, 12, 328.	1.3	9
15	Pushing the limits of robust and eco-friendly ATRP processes: untreated water as the solvent. Polymer Chemistry, 2019, 10, 938-944.	1.9	18
16	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.	2.3	16
17	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.	2.3	31
18	Deep Eutectic Solvent Aqueous Solutions as Efficient Media for the Solubilization of Hardwood Xylans. ChemSusChem, 2018, 11, 753-762.	3.6	75

#	Article	IF	Citations
19	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.	1.9	49
20	Deep eutectic solvents (DES): Excellent green solvents for rapid SARA ATRP of biorelevant hydrophilic monomers at ambient temperature. Polymer, 2017, 132, 114-121.	1.8	27
21	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.	1.9	25
22	Increasing the Bile Acid Sequestration Performance of Cationic Hydrogels by Using an Advanced/Controlled Polymerization Technique. Pharmaceutical Research, 2017, 34, 1934-1943.	1.7	6
23	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.	2.5	17
24	Recent Developments in Antimicrobial Polymers: A Review. Materials, 2016, 9, 599.	1.3	153
25	Synthesis of tailor-made bile acid sequestrants by supplemental activator and reducing agent atom transfer radical polymerization. RSC Advances, 2016, 6, 52143-52153.	1.7	13
26	Nitroxide-Mediated Polymerization of Vinyl Chloride at Low Temperature: Kinetic and Computational Studies. Macromolecules, 2016, 49, 490-498.	2.2	34
27	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.	1.7	33
28	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.	2.2	28
29	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.	2.5	27
30	Ambient Temperature â€œFlashâ€•SARA ATRP of Methyl Acrylate in Water/Ionic Liquid/Glycol Mixtures. Macromolecules, 2015, 48, 6810-6815.	2.2	24
31	Efficient RAFT polymerization of N-(3-aminopropyl)methacrylamide hydrochloride using unprotected â€œclickableâ€•chain transfer agents. Reactive and Functional Polymers, 2014, 81, 1-7.	2.0	12
32	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.	2.3	26
33	Aqueous RDRP in the Presence of Cu⁰: The Exceptional Activity of Cu^I Confirms the SARA ATRP Mechanism. Macromolecules, 2014, 47, 560-570.	2.2	187
34	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.	2.3	37
35	Straightforward ARGET ATRP for the Synthesis of Primary Amine Polymethacrylate with Improved Chain-End Functionality under Mild Reaction Conditions. Macromolecules, 2014, 47, 4615-4621.	2.2	39
36	Synthesis of cationic poly((3-acrylamidopropyl)trimethylammonium chloride) by SARA ATRP in ecofriendly solvent mixtures. Polymer Chemistry, 2014, 5, 5829-5836.	1.9	41

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37	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.	1.1	27
38	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.	11.8	33
39	Inorganic Sulfites: Efficient Reducing Agents and Supplemental Activators for Atom Transfer Radical Polymerization. ACS Macro Letters, 2012, 1, 1308-1311.	2.3	95
40	Reversible Additionâ€"Fragmentation Chain Transfer Polymerization of Vinyl Chloride. Macromolecules, 2012, 45, 2200-2208.	2.2	61
41	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.	1.1	34
42	Copperâ€Mediated Controlled/â€œLivingâ€•Radical Polymerization in Polar Solvents: Insights into Some Relevant Mechanistic Aspects. Chemistry - A European Journal, 2012, 18, 4607-4612.	1.7	64
43	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.	2.6	60
44	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.	5.1	112
45	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.	2.5	17
46	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.	1.3	14