

Patricia Mendonca

List of Publications by Year in descending order

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papers

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citations

279487

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docs citations

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times ranked

1856
citing authors

#	ARTICLE	IF	CITATIONS
1	Aqueous RDRP in the Presence of Cu ⁰ : The Exceptional Activity of Cu ^I Confirms the SARA ATRP Mechanism. <i>Macromolecules</i> , 2014, 47, 560-570.	2.2	187
2	Recent Developments in Antimicrobial Polymers: A Review. <i>Materials</i> , 2016, 9, 599.	1.3	153
3	Temperature and pH responsive polymers based on chitosan: Applications and new graft copolymerization strategies based on living radical polymerization. <i>Carbohydrate Polymers</i> , 2010, 80, 618-630.	5.1	112
4	Inorganic Sulfites: Efficient Reducing Agents and Supplemental Activators for Atom Transfer Radical Polymerization. <i>ACS Macro Letters</i> , 2012, 1, 1308-1311.	2.3	95
5	Deep Eutectic Solvent Aqueous Solutions as Efficient Media for the Solubilization of Hardwood Xylans. <i>ChemSusChem</i> , 2018, 11, 753-762.	3.6	75
6	Copper-Mediated Controlled/Living Radical Polymerization in Polar Solvents: Insights into Some Relevant Mechanistic Aspects. <i>Chemistry - A European Journal</i> , 2012, 18, 4607-4612.	1.7	64
7	Reversible Addition-Fragmentation Chain Transfer Polymerization of Vinyl Chloride. <i>Macromolecules</i> , 2012, 45, 2200-2208.	2.2	61
8	Ambient temperature rapid ATRP of methyl acrylate, methyl methacrylate and styrene in polar solvents with mixed transition metal catalyst system. <i>European Polymer Journal</i> , 2011, 47, 1460-1466.	2.6	60
9	Tailored design of renewable copolymers based on poly(1,4-butylene 2,5-furandicarboxylate) and poly(ethylene glycol) with refined thermal properties. <i>Polymer Chemistry</i> , 2018, 9, 722-731.	1.9	49
10	Synthesis of cationic poly((3-acrylamidopropyl)trimethylammonium chloride) by SARA ATRP in ecofriendly solvent mixtures. <i>Polymer Chemistry</i> , 2014, 5, 5829-5836.	1.9	41
11	Straightforward ARGET ATRP for the Synthesis of Primary Amine Polymethacrylate with Improved Chain-End Functionality under Mild Reaction Conditions. <i>Macromolecules</i> , 2014, 47, 4615-4621.	2.2	39
12	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. <i>Biomacromolecules</i> , 2019, 20, 1146-1156.	2.6	38
13	Sulfolane: an Efficient and Universal Solvent for Copper-Mediated Atom Transfer Radical (co)Polymerization of Acrylates, Methacrylates, Styrene, and Vinyl Chloride. <i>ACS Macro Letters</i> , 2014, 3, 858-861.	2.3	37
14	Accelerated Ambient-Temperature ATRP of Methyl Acrylate in Alcohol-Water Solutions with a Mixed Transition-Metal Catalyst System. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 1677-1687.	1.1	34
15	Nitroxide-Mediated Polymerization of Vinyl Chloride at Low Temperature: Kinetic and Computational Studies. <i>Macromolecules</i> , 2016, 49, 490-498.	2.2	34
16	Polymeric bile acid sequestrants: Synthesis using conventional methods and new approaches based on controlled/living radical polymerization. <i>Progress in Polymer Science</i> , 2013, 38, 445-461.	11.8	33
17	Getting faster: low temperature copper-mediated SARA ATRP of methacrylates, acrylates, styrene and vinyl chloride in polar media using sulfolane/water mixtures. <i>RSC Advances</i> , 2016, 6, 9598-9603.	1.7	33
18	Thiourea Dioxide As a Green and Affordable Reducing Agent for the ARGET ATRP of Acrylates, Methacrylates, Styrene, Acrylonitrile, and Vinyl Chloride. <i>ACS Macro Letters</i> , 2019, 8, 315-319.	2.3	31

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19	Ambient Temperature Transition-Metal-Free Dissociative Electron Transfer Reversible Addition-Fragmentation Chain Transfer Polymerization (DET-RAFT) of Methacrylates, Acrylates, and Styrene. <i>Macromolecules</i> , 2016, 49, 1597-1604.	2.2	28
20	Facile Synthesis of Well-Defined Telechelic Alkyne-Terminated Polystyrene in Polar Media Using ATRP With Mixed Fe/Cu Transition Metal Catalyst. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 76-84.	1.1	27
21	Cyclopentyl methyl ether: A new green co-solvent for supplemental activator and reducing agent atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , 2015, 53, 2722-2729.	2.5	27
22	Deep eutectic solvents (DES): Excellent green solvents for rapid SARA ATRP of biorelevant hydrophilic monomers at ambient temperature. <i>Polymer</i> , 2017, 132, 114-121.	1.8	27
23	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. <i>ACS Macro Letters</i> , 2014, 3, 544-547.	2.3	26
24	Mechanism of supplemental activator and reducing agent atom transfer radical polymerization mediated by inorganic sulfites: experimental measurements and kinetic simulations. <i>Polymer Chemistry</i> , 2017, 8, 6506-6519.	1.9	25
25	Ambient Temperature "Flash"-SARA ATRP of Methyl Acrylate in Water/Ionic Liquid/Glycol Mixtures. <i>Macromolecules</i> , 2015, 48, 6810-6815.	2.2	24
26	Amphiphilic well-defined degradable star block copolymers by combination of ring-opening polymerization and atom transfer radical polymerization: Synthesis and application as drug delivery carriers. <i>Journal of Polymer Science</i> , 2021, 59, 211-229.	2.0	21
27	Pushing the limits of robust and eco-friendly ATRP processes: untreated water as the solvent. <i>Polymer Chemistry</i> , 2019, 10, 938-944.	1.9	18
28	Synthesis of high glass transition temperature copolymers based on poly(vinyl chloride) via single electron transfer-Degenerative chain transfer mediated living radical polymerization (SET-DTLRP) of vinyl chloride in water. <i>Journal of Polymer Science Part A</i> , 2009, 47, 7021-7031.	2.5	17
29	Eutectic mixtures as a green alternative for efficient catalyst recycling in atom transfer radical polymerizations. <i>Journal of Polymer Science Part A</i> , 2017, 55, 371-381.	2.5	17
30	Poly(ethylene glycol)- <i>block</i> -poly(2-aminoethyl methacrylate hydrochloride)-Based Polyplexes as Serum-Tolerant Nanosystems for Enhanced Gene Delivery. <i>Molecular Pharmaceutics</i> , 2019, 16, 2129-2141.	2.3	16
31	Liquid salts as eco-friendly solvents for atom transfer radical polymerization: a review. <i>Polymer Chemistry</i> , 2019, 10, 4904-4913.	1.9	15
32	Light-Activated Antimicrobial Surfaces Using Industrial Varnish Formulations to Mitigate the Incidence of Nosocomial Infections. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 7567-7579.	4.0	15
33	Thermal characterization of poly(vinyl chloride) samples prepared by living radical polymerization: Comparison with poly(vinyl chloride) prepared by free radical polymerization. <i>Journal of Applied Polymer Science</i> , 2008, 109, 2729-2736.	1.3	14
34	Synthesis of tailor-made bile acid sequestrants by supplemental activator and reducing agent atom transfer radical polymerization. <i>RSC Advances</i> , 2016, 6, 52143-52153.	1.7	13
35	Efficient RAFT polymerization of N-(3-aminopropyl)methacrylamide hydrochloride using unprotected "clickable" chain transfer agents. <i>Reactive and Functional Polymers</i> , 2014, 81, 1-7.	2.0	12
36	Efficient dispersion of TiO ₂ in water-based paint formulation using well-defined poly[oligo(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.9	10

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37	Guanidine as inexpensive dual function ligand and reducing agent for ATRP of methacrylates. <i>Polymer Chemistry</i> , 2019, 10, 4944-4953.	1.9	9
38	Co-Polymers based on Poly(1,4-butylene 2,5-furandicarboxylate) and Poly(propylene oxide) with Tuneable Thermal Properties: Synthesis and Characterization. <i>Materials</i> , 2019, 12, 328.	1.3	9
39	Self-degassing SARA ATRP mediated by Na ₂ S ₂ O ₄ with no external additives. <i>Journal of Polymer Science</i> , 2020, 58, 145-153.	2.0	8
40	Homogeneous polymerization of hydrophobic monomers in a bio-based dl-menthol/1-tetradecanol eutectic mixture by ATRP and RAFT polymerization. <i>Green Chemistry</i> , 2020, 22, 6827-6835.	4.6	8
41	Glycopolymer Brushes by Reversible Deactivation Radical Polymerization: Preparation, Applications, and Future Challenges. <i>Polymers</i> , 2020, 12, 1268.	2.0	8
42	L-menthol and thymol eutectic mixture as a bio-based solvent for the one-pot synthesis of well-defined amphiphilic block copolymers by ATRP. <i>Polymer</i> , 2022, 242, 124586.	1.8	7
43	Increasing the Bile Acid Sequestration Performance of Cationic Hydrogels by Using an Advanced/Controlled Polymerization Technique. <i>Pharmaceutical Research</i> , 2017, 34, 1934-1943.	1.7	6
44	Expanding the use of affordable CuSO ₄ ·5H ₂ O in ATRP techniques in homogeneous media. <i>Polymer</i> , 2022, 241, 124526.	1.8	4
45	Engineering silica-polymer hybrid nanosystems for dual drug and gene delivery. , 2022, , 212742.		4
46	Self-degassing SARA ATRP mediated by Na ₂ S ₂ O ₄ with no external additives. <i>Journal of Polymer Science</i> , 2020, 58, 145-153.	2.0	0