

Marco Fantin

List of Publications by Year in descending order

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58
papers

4,054
citations

94433

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138484

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all docs

59
docs citations

59
times ranked

2155
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of halogen and solvent on iron-catalyzed atom transfer radical polymerization. <i>Polymer Chemistry</i> , 2022, 13, 1059-1066.	3.9	15
2	Comparative performance of ex situ artificial solid electrolyte interphases for Li metal batteries with liquid electrolytes. <i>IScience</i> , 2021, 24, 102578.	4.1	17
3	Understanding the Relationship between Catalytic Activity and Termination in photoATRP: Synthesis of Linear and Bottlebrush Polyacrylates. <i>Macromolecules</i> , 2020, 53, 59-67.	4.8	31
4	p-Substituted Tris(2-pyridylmethyl)amines as Ligands for Highly Active ATRP Catalysts: Facile Synthesis and Characterization. <i>Angewandte Chemie</i> , 2020, 132, 15020-15030.	2.0	2
5	m-Substituted Tris(2-pyridylmethyl)amines as Ligands for Highly Active ATRP Catalysts: Facile Synthesis and Characterization. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14910-14920.	13.8	32
6	Investigating Temporal Control in Photoinduced Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2020, 53, 5280-5288.	4.8	47
7	Atom Transfer Radical Polymerization of Acrylic and Methacrylic Acids: Preparation of Acidic Polymers with Various Architectures. <i>ACS Macro Letters</i> , 2020, 9, 693-699.	4.8	23
8	An isocyanide ligand for the rapid quenching and efficient removal of copper residues after Cu/TEMPO-catalyzed aerobic alcohol oxidation and atom transfer radical polymerization. <i>Chemical Science</i> , 2020, 11, 4251-4262.	7.4	23
9	Growing Polymer Brushes from a Variety of Substrates under Ambient Conditions by Cu ⁰ -Mediated Surface-Initiated ATRP. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27470-27477.	8.0	50
10	Pushing the Limit: Synthesis of SiO ₂ -PMMA/PS Particle Brushes via ATRP with Very Low Concentration of Functionalized SiO ₂ -Br Nanoparticles. <i>Macromolecules</i> , 2019, 52, 8713-8723.	4.8	21
11	Redox-switchable atom transfer radical polymerization. <i>Chemical Communications</i> , 2019, 55, 612-615.	4.1	21
12	Atom Transfer Radical Polymerization Enabled by Sonochemically Labile Cu-carbonate Species. <i>ACS Macro Letters</i> , 2019, 8, 161-165.	4.8	52
13	Toward Electrochemically Mediated Reversible Addition-Fragmentation Chain-Transfer (RAFT) Polymerization: Can Propagating Radicals Be Efficiently Electrogenerated from RAFT Agents?. <i>Macromolecules</i> , 2019, 52, 1479-1488.	4.8	48
14	Impact of Organometallic Intermediates on Copper-Catalyzed Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2019, 52, 4079-4090.	4.8	42
15	Translating Surface-Initiated Atom Transfer Radical Polymerization into Technology: The Mechanism of Cu ⁰ -Mediated SI-ATRP under Environmental Conditions. <i>ACS Macro Letters</i> , 2019, 8, 865-870.	4.8	50
16	Control of Dispersity and Grafting Density of Particle Brushes by Variation of ATRP Catalyst Concentration. <i>ACS Macro Letters</i> , 2019, 8, 859-864.	4.8	72
17	Preparation of Well-Defined Polymers and DNA-Polymer Bioconjugates via Small-Volume eATRP in the Presence of Air. <i>ACS Macro Letters</i> , 2019, 8, 603-609.	4.8	58
18	Reductive Termination of Cyanoisopropyl Radicals by Copper(I) Complexes and Proton Donors: Organometallic Intermediates or Coupled Proton-Electron Transfer?. <i>Inorganic Chemistry</i> , 2019, 58, 6445-6457.	4.0	28

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19	Transformation of gels <i>via</i> catalyst-free selective RAFT photoactivation. <i>Polymer Chemistry</i> , 2019, 10, 2477-2483.	3.9	52
20	Mechanistically Guided Predictive Models for Ligand and Initiator Effects in Copper-Catalyzed Atom Transfer Radical Polymerization (Cu-ATRP). <i>Journal of the American Chemical Society</i> , 2019, 141, 7486-7497.	13.7	95
21	Axially Ligated Mesohemins as Bio-Mimicking Catalysts for Atom Transfer Radical Polymerization. <i>Molecules</i> , 2019, 24, 3969.	3.8	3
22	Atom Transfer Radical Polymerization: Billion Times More Active Catalysts and New Initiation Systems. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800616.	3.9	208
23	Electrochemically mediated atom transfer radical polymerization with dithiocarbamates as alkyl pseudohalides. <i>Journal of Polymer Science Part A</i> , 2019, 57, 376-381.	2.3	16
24	New protocol to determine the equilibrium constant of atom transfer radical polymerization. <i>Electrochimica Acta</i> , 2018, 260, 648-655.	5.2	43
25	Electrochemically mediated ATRP in ionic liquids: controlled polymerization of methyl acrylate in [BMIm][OTf]. <i>Polymer Chemistry</i> , 2018, 9, 646-655.	3.9	48
26	Synthesis and Characterization of the Most Active Copper ATRP Catalyst Based on Tris[(4-dimethylaminopyridyl)methyl]amine. <i>Journal of the American Chemical Society</i> , 2018, 140, 1525-1534.	13.7	124
27	Direct ATRP of Methacrylic Acid with Iron-Porphyrin Based Catalysts. <i>ACS Macro Letters</i> , 2018, 7, 26-30.	4.8	27
28	Electrochemical triggering and control of atom transfer radical polymerization. <i>Current Opinion in Electrochemistry</i> , 2018, 8, 1-7.	4.8	41
29	Two-compartment kinetic Monte Carlo modelling of electrochemically mediated ATRP. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 866-874.	3.7	28
30	Electrochemical Procedures To Determine Thermodynamic and Kinetic Parameters of Atom Transfer Radical Polymerization. <i>ACS Symposium Series</i> , 2018, , 161-189.	0.5	1
31	Ab Initio Emulsion Atom-Transfer Radical Polymerization. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8270-8274.	13.8	27
32	Ab Initio Emulsion Atom-Transfer Radical Polymerization. <i>Angewandte Chemie</i> , 2018, 130, 8402-8406.	2.0	1
33	Benefits of Catalyzed Radical Termination: High-Yield Synthesis of Polyacrylate Molecular Bottlebrushes without Gelation. <i>Macromolecules</i> , 2018, 51, 6218-6225.	4.8	24
34	Synergy between Electrochemical ATRP and RAFT for Polymerization at Low Copper Loading. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1800221.	3.9	24
35	The Role of Cu ⁰ in Surface-Initiated Atom Transfer Radical Polymerization: Tuning Catalyst Dissolution for Tailoring Polymer Interfaces. <i>Macromolecules</i> , 2018, 51, 6825-6835.	4.8	44
36	Externally controlled atom transfer radical polymerization. <i>Chemical Society Reviews</i> , 2018, 47, 5457-5490.	38.1	290

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37	Electrochemically mediated atom transfer radical polymerization (eATRP). <i>Progress in Polymer Science</i> , 2017, 69, 47-78.	24.7	295
38	Electrochemical characterization of common catalysts and initiators for atom transfer radical polymerization in [BMIm][OTf]. <i>Electrochemistry Communications</i> , 2017, 77, 116-119.	4.7	43
39	Activation of alkyl halides at the Cu ⁰ surface in SARA ATRP: An assessment of reaction order and surface mechanisms. <i>Journal of Polymer Science Part A</i> , 2017, 55, 3048-3057.	2.3	12
40	Harnessing the Interaction between Surfactant and Hydrophilic Catalyst To Control <i>e</i> ATRP in Miniemulsion. <i>Macromolecules</i> , 2017, 50, 3726-3732.	4.8	96
41	ATRP in Water: Kinetic Analysis of Active and Super-Active Catalysts for Enhanced Polymerization Control. <i>Macromolecules</i> , 2017, 50, 2696-2705.	4.8	100
42	Atom Transfer Radical Polymerization with Different Halides (F, Cl, Br, and I): Is the Process "Living" in the Presence of Fluorinated Initiators?. <i>Macromolecules</i> , 2017, 50, 192-202.	4.8	71
43	Disproportionation or Combination? The Termination of Acrylate Radicals in ATRP. <i>Macromolecules</i> , 2017, 50, 7920-7929.	4.8	75
44	Enhancing Mechanically Induced ATRP by Promoting Interfacial Electron Transfer from Piezoelectric Nanoparticles to Cu Catalysts. <i>Macromolecules</i> , 2017, 50, 7940-7948.	4.8	114
45	Synergic Effect between Nucleophilic Monomers and Cu(II) Metal-Organic Framework for Visible-Light-Triggered Controlled Photopolymerization. <i>Chemistry of Materials</i> , 2017, 29, 9445-9455.	6.7	50
46	Electrochemically Mediated Reversible Addition-Fragmentation Chain-Transfer Polymerization. <i>Macromolecules</i> , 2017, 50, 7872-7879.	4.8	94
47	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.	3.9	25
48	Miniemulsion ARGET ATRP via Interfacial and Ion-Pair Catalysis: From ppm to ppb of Residual Copper. <i>Macromolecules</i> , 2017, 50, 8417-8425.	4.8	83
49	Electron Transfer Reactions in Atom Transfer Radical Polymerization. <i>Synthesis</i> , 2017, 49, 3311-3322.	2.3	57
50	Sustainable Electrochemically Mediated Atom Transfer Radical Polymerization with Inexpensive Non-Platinum Electrodes. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1318-1322.	3.9	50
51	Electrochemical approaches to the determination of rate constants for the activation step in atom transfer radical polymerization. <i>Electrochimica Acta</i> , 2016, 222, 393-401.	5.2	76
52	Electrochemically mediated atom transfer radical polymerization of n-butyl acrylate on non-platinum cathodes. <i>Polymer Chemistry</i> , 2016, 7, 5357-5365.	3.9	53
53	Electrochemical Atom Transfer Radical Polymerization in Miniemulsion with a Dual Catalytic System. <i>Macromolecules</i> , 2016, 49, 8838-8847.	4.8	66
54	Atom Transfer Radical Polymerization of Methacrylic Acid: A Won Challenge. <i>Journal of the American Chemical Society</i> , 2016, 138, 7216-7219.	13.7	125

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55	Mechanism of Photoinduced Metal-Free Atom Transfer Radical Polymerization: Experimental and Computational Studies. <i>Journal of the American Chemical Society</i> , 2016, 138, 2411-2425.	13.7	384
56	RDRP in the presence of Cu ₀ : The fate of Cu(I) proves the inconsistency of SET-LRP mechanism. <i>Polymer</i> , 2015, 72, 238-245.	3.8	79
57	Understanding the Fundamentals of Aqueous ATRP and Defining Conditions for Better Control. <i>Macromolecules</i> , 2015, 48, 6862-6875.	4.8	184
58	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.	4.8	187