

Pawel Krysz

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,854
citations

331259

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552369

26
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27
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docs citations

27
times ranked

1345
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversible-Deactivation Radical Polymerization in the Presence of Metallic Copper. A Critical Assessment of the SARA ATRP and SET-LRP Mechanisms. <i>Macromolecules</i> , 2013, 46, 8749-8772.	2.2	276
2	SARA ATRP or SET-LRP. End of controversy?. <i>Polymer Chemistry</i> , 2014, 5, 4409.	1.9	266
3	Kinetics of Atom Transfer Radical Polymerization. <i>European Polymer Journal</i> , 2017, 89, 482-523.	2.6	200
4	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
5	PEO-b-PNIPAM copolymers via SARA ATRP and eATRP in aqueous media. <i>Polymer</i> , 2015, 71, 143-147.	1.8	84
6	Reversible-Deactivation Radical Polymerization in the Presence of Metallic Copper. Kinetic Simulation. <i>Macromolecules</i> , 2013, 46, 3816-3827.	2.2	83
7	Reversible-Deactivation Radical Polymerization in the Presence of Metallic Copper. Activation of Alkyl Halides by Cu ⁰ . <i>Macromolecules</i> , 2013, 46, 3803-3815.	2.2	81
8	Disproportionation or Combination? The Termination of Acrylate Radicals in ATRP. <i>Macromolecules</i> , 2017, 50, 7920-7929.	2.2	75
9	Heterografted Molecular Brushes as Stabilizers for Water-in-Oil Emulsions. <i>Macromolecules</i> , 2017, 50, 2942-2950.	2.2	71
10	Effect of Ligand Structure on the Cu ^{II} OMRP Dormant Species and Its Consequences for Catalytic Radical Termination in ATRP. <i>Macromolecules</i> , 2016, 49, 7749-7757.	2.2	68
11	Synthesis of Nanoparticle Copolymer Brushes via Surface-Initiated <i>se</i> ATRP. <i>Macromolecules</i> , 2017, 50, 4151-4159.	2.2	62
12	Synthesis of Poly(OEOMA) Using Macromonomers via ϵ -Grafting-Through ϵ -ATRP. <i>Macromolecules</i> , 2015, 48, 6385-6395.	2.2	57
13	Radical Generation and Termination in SARA ATRP of Methyl Acrylate: Effect of Solvent, Ligand, and Chain Length. <i>Macromolecules</i> , 2016, 49, 2977-2984.	2.2	45
14	Explaining Unexpected Data via Competitive Equilibria and Processes in Radical Reactions with Reversible Deactivation. <i>Accounts of Chemical Research</i> , 2014, 47, 3028-3036.	7.6	40
15	Synthesis of Well-Defined Polymer Brushes from Silicon Wafers <i>via</i> Surface-Initiated <i>se</i> ATRP. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700106.	1.1	39
16	Encapsulation of ammonium molybdophosphate and zirconium phosphate in alginate matrix for the sorption of rubidium(I). <i>Journal of Colloid and Interface Science</i> , 2013, 409, 141-150.	5.0	33
17	Relation between Overall Rate of ATRP and Rates of Activation of Dormant Species. <i>Macromolecules</i> , 2016, 49, 2467-2476.	2.2	30
18	The Borderline between Simultaneous Reverse and Normal Initiation and Initiators for Continuous Activator Regeneration ATRP. <i>Macromolecules</i> , 2016, 49, 7793-7803.	2.2	28

#	ARTICLE	IF	CITATIONS
19	Aqueous RAFT Polymerization of Acrylonitrile. <i>Macromolecules</i> , 2016, 49, 5877-5883.	2.2	27
20	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
21	Reversible-Deactivation Radical Polymerization of Methyl Methacrylate and Styrene Mediated by Alkyl Dithiocarbamates and Copper Acetylacetonates. <i>Macromolecules</i> , 2013, 46, 5512-5519.	2.2	22
22	Model Studies of Alkyl Halide Activation and Comproportionation Relevant to RDRP in the Presence of Cu ⁰ . <i>Macromolecules</i> , 2015, 48, 8428-8436.	2.2	20
23	Hybrid macroporous Pd catalytic discs for 4-nitroaniline hydrogenation: Contribution of the alginate-tetraalkylphosphonium ionic liquid support. <i>Journal of Organometallic Chemistry</i> , 2013, 723, 90-97.	0.8	12
24	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.	2.5	12
25	Poor Solvents Improve Yield of Grafting-Through Radical Polymerization of OEO ₁₉ MA. <i>ACS Macro Letters</i> , 2020, 9, 674-679.	2.3	10