Nicolay V Tsarevsky

List of Publications by Year
in descending order

88	10,693	108046 37	62345 84
papers	citations	h-index	g-index

96	96	96	7997
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Radical <scp>ringâ€opening</scp> polymerization of lipoates: Kinetic and thermodynamic aspects. Journal of Polymer Science, 2021, 59, 675-684.	2.0	19
2	Vibrational Analysis of Benziodoxoles and Benziodazolotetrazoles. Physchem, 2021, 1, 45-68.	0.5	5
3	Functionalization of cisâ€1,4â€polyisoprene using hypervalent iodine compounds with tetrazole ligands. Journal of Polymer Science, 2020, 58, 172-180.	2.0	3
4	Synthesis of Fluorine-Containing Polymers by Functionalization of cis-1,4-Polyisoprene with Hypervalent Iodine Compounds. Macromolecules, 2020, 53, 8020-8031.	2.2	15
5	Functionalization of cisâ€1,4â€polyisoprene using hypervalent iodine compounds with tetrazole ligands. Journal of Polymer Science, 2020, 58, 172-180.	2.0	0
6	Degradable Silyl Etherâ€"Containing Networks from Trifunctional Thiols and Acrylates. Macromolecules, 2020, 53, 9890-9900.	2.2	9
7	N-Heterocycle (tetrazole)-stabilized pseudocyclic Î»3-iodane: Synthesis and reactivity. Tetrahedron Letters, 2019, 60, 150995.	0.7	9
8	Hypervalent iodine-based dynamic and self-healing network polymers. Polymer Chemistry, 2019, 10, 3943-3950.	1.9	4
9	Responsive and Degradable Highly Branched Polymers with Hypervalent Iodine(III) Groups at the Branching Points. Macromolecular Rapid Communications, 2019, 40, e1900073.	2.0	7
10	Employing Heterocyclic Hypervalent Iodine Compounds with Ï£¿Cl Bonds as Initiators and Chain Transfer Agents in the Synthesis of Branched Polymers. Macromolecular Chemistry and Physics, 2019, 220, 1800471.	1.1	3
11	Impact of branching unit structure on the cloud point of highly branched polymers with lower critical solution temperature behavior. European Polymer Journal, 2019, 111, 63-68.	2.6	6
12	Insights into the Reactivity of Epoxides as Reducing Agents in Low-Catalyst-Concentration ATRP Reactions. ACS Symposium Series, 2018, , 191-203.	0.5	1
13	Hypervalent Iodine Compounds with Tetrazole Ligands. Journal of Organic Chemistry, 2018, 83, 12496-12506.	1.7	10
14	Di(ethylene glycol) methyl ether methacrylate (DEGMEMA)â€derived gels align small organic molecules in methanol. Magnetic Resonance in Chemistry, 2017, 55, 206-209.	1.1	21
15	Wellâ€defined polymers containing high density of pendant viologen groups. Journal of Polymer Science Part A, 2017, 55, 1173-1182.	2.5	9
16	Cationic branched polymers for cellular delivery of negatively charged cargo. Journal of Drug Delivery Science and Technology, 2017, 39, 324-333.	1.4	5
17	Iodosylbenzene-Pseudohalide-Based Initiators for Radical Polymerization. Journal of Organic Chemistry, 2017, 82, 11806-11815.	1.7	7
18	Well-defined epoxide-containing styrenic polymers and their functionalization with alcohols. Journal of Polymer Science Part A, 2016, 54, 1132-1144.	2.5	16

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19	An Undergraduate Chemistry Laboratory: Synthesis of Well-Defined Polymers by Low-Catalyst-Concentration ATRP and Postpolymerization Modification to Fluorescent Materials. Journal of Chemical Education, 2016, 93, 1452-1459.	1.1	16
20	Reversible Deactivation Radical Polymerization of Monomers Containing Activated Aziridine Groups. Macromolecular Rapid Communications, 2016, 37, 1694-1700.	2.0	11
21	Preparation and functionalization of linear and reductively degradable highly branched cyanoacrylateâ€based polymers. Journal of Polymer Science Part A, 2016, 54, 3683-3693.	2.5	20
22	Well-defined polymers containing a single mid-chain viologen group: synthesis, environment-sensitive fluorescence, and redox activity. Polymer Chemistry, 2016, 7, 4402-4410.	1.9	8
23	4-Vinylphenyl Glycidyl Ether: Synthesis, RAFT Polymerization, and Postpolymerization Modifications with Alcohols. Macromolecules, 2016, 49, 1135-1142.	2.2	15
24	Synthesis of Star Polymers with Epoxide-Containing Highly Branched Cores by Low-Catalyst Concentration Atom Transfer Radical Polymerization and Post-Polymerization Modifications. ACS Symposium Series, 2015, , 149-167.	0.5	8
25	Lipoates as building blocks of sulfur-containing branched macromolecules. Polymer Chemistry, 2015, 6, 6936-6945.	1.9	29
26	Employing exchange reactions involving hypervalent iodine compounds for the direct synthesis of azide-containing linear and branched polymers. Chemical Science, 2014, 5, 4599-4609.	3.7	38
27	Atom transfer radical polymerization of an epoxideâ€containing monomer, 4â€vinylphenyloxirane, employing low concentration of catalyst: synthesis of linear and starâ€shaped macromolecules. Polymer International, 2014, 63, 868-875.	1.6	16
28	Macromolecular Engineering by Atom Transfer Radical Polymerization. Journal of the American Chemical Society, 2014, 136, 6513-6533.	6.6	1,036
29	Successful Miniemulsion ATRP Using an Anionic Surfactant: Minimization of Deactivator Loss by Addition of a Halide Salt. Macromolecules, 2014, 47, 6230-6237.	2.2	33
30	Epoxides as Reducing Agents for Lowâ€Catalystâ€Concentration Atom Transfer Radical Polymerization. Macromolecular Rapid Communications, 2014, 35, 186-192.	2.0	26
31	Controlled radical polymerization of a styrenic sulfonium monomer and post-polymerization modifications. Polymer Chemistry, 2013, 4, 2115.	1.9	16
32	Atom Transfer Radical Polymerization (ATRP). RSC Polymer Chemistry Series, 2013, , 287-357.	0.1	25
33	Synthesis, Functionalization and Reductive Degradation of Multibrominated Disulfide-containing Hyperbranched Polymers. Australian Journal of Chemistry, 2012, 65, 28.	0.5	13
34	Functional Degradable Polymeric Materials Prepared by Atom Transfer Radical Polymerization (ATRP). ACS Symposium Series, 2012, , 325-338.	0.5	0
35	Carboxylic acids as latent initiators of radical polymerization carried out in the presence of hypervalent iodine compounds: synthesis of branched and transiently crosslinked polymers. Polymer Chemistry, 2012, 3, 1910-1917.	1.9	24
36	Selecting the Optimal Reaction Conditions for Copper-Mediated Atom Transfer Radical Polymerization at Low Catalyst Concentration. ACS Symposium Series, 2012, , 99-113.	0.5	13

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37	Multibrominated Hyperbranched Polymers: Synthesis and Further Functionalizations by ARGET ATRP or Click Chemistry. Macromolecular Rapid Communications, 2012, 33, 869-875.	2.0	16
38	Catalytic Activity and Performance of Copperâ€Based Complexes Mediating Atom Transfer Radical Polymerization. Israel Journal of Chemistry, 2012, 52, 276-287.	1.0	11
39	Low-catalyst concentration atom transfer radical polymerization of a phosphonium salt-type monomer. Polymer Chemistry, 2012, 3, 2487.	1.9	27
40	Unprecedented stereoselective synthesis of cyclopenta[b]benzofuran derivatives and their characterisation assisted by aligned media NMR and 13C chemical shift ab initio predictions. Organic and Biomolecular Chemistry, 2011, 9, 3170.	1.5	28
41	Atom transfer radical polymerization of functional monomers employing Cuâ€based catalysts at low concentration: Polymerization of glycidyl methacrylate. Journal of Polymer Science Part A, 2011, 49, 918-925.	2.5	52
42	Residual Dipolar Couplings (RDCs) Analysis of Small Molecules Made Easy: Fast and Tuneable Alignment by Reversible Compression/Relaxation of Reusable PMMA Gels. Chemistry - A European Journal, 2010, 16, 3622-3626.	1.7	106
43	Synthesis of basic molecular brushes: ATRP of 4-vinylpyridine in organic media. European Polymer Journal, 2010, 46, 2333-2340.	2.6	17
44	Hypervalent iodineâ€mediated direct azidation of polystyrene and consecutive clickâ€type functionalization. Journal of Polymer Science Part A, 2010, 48, 966-974.	2.5	33
45	Synthesis of hyperbranched degradable polymers by atom transfer radical (Co)polymerization of inimers with ester or disulfide groups. Journal of Polymer Science Part A, 2009, 47, 6839-6851.	2.5	68
46	Nanostructured functional materials prepared by atom transfer radical polymerization. Nature Chemistry, 2009, 1, 276-288.	6.6	1,177
47	Thermodynamic Components of the Atom Transfer Radical Polymerization Equilibrium: Quantifying Solvent Effects. Macromolecules, 2009, 42, 6348-6360.	2.2	215
48	The Atom Transfer Radical Polymerization Equilibrium: Structural and Medium Effects. ACS Symposium Series, 2009, , 85-96.	0.5	8
49	Systematic Polymeric Libraries via Atom Transfer Radical Polymerization. ACS Symposium Series, 2009, , 343-355.	0.5	11
50	Structureâ€“Reactivity Correlation in â€œClickâ€•Chemistry: Substituent Effect on Azide Reactivity. Macromolecular Rapid Communications, 2008, 29, 1167-1171.	2.0	71
51	Stretched Poly(methyl methacrylate) Gel Aligns Small Organic Molecules in Chloroform. Stereochemical Analysis and Diastereotopic Proton NMR Assignment in Ludartin Using Residual Dipolar Couplings and ³J Coupling Constant Analysis. Journal of Organic Chemistry, 2008, 73, 840-848.	1.7	100
52	Allyl Halide (Macro)initiators in ATRP: Synthesis of Block Copolymers with Polyisobutylene Segments. Macromolecules, 2008, 41, 2318-2323.	2.2	59
53	Understanding Atom Transfer Radical Polymerization: Effect of Ligand and Initiator Structures on the Equilibrium Constants. Journal of the American Chemical Society, 2008, 130, 10702-10713.	6.6	511
54	Multisegmented Block Copolymers by 'Click' Coupling of Polymers Prepared by ATRP. Australian Journal of Chemistry, 2007, 60, 400.	0.5	71

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55	Competitive Equilibria in Atom Transfer Radical Polymerization. Macromolecular Symposia, 2007, 248, 60-70.	0.4	73
56	Role of Cu⁰ in Controlled/â€œLivingâ€•Radical Polymerization. Macromolecules, 2007, 40, 7795-7806.	2.2	268
57	â€œGreenâ€•Atom Transfer Radical Polymerization:â€‰ From Process Design to Preparation of Well-Defined Environmentally Friendly Polymeric Materials. Chemical Reviews, 2007, 107, 2270-2299.	23.0	1,204
58	Graft Copolymers by a Combination of ATRP and Two Different Consecutive Click Reactions. Macromolecules, 2007, 40, 4439-4445.	2.2	270
59	Electron transfer reactions relevant to atom transfer radical polymerization. Journal of Organometallic Chemistry, 2007, 692, 3212-3222.	0.8	143
60	â€œHairyâ€•Singleâ€Walled Carbon Nanotubes Prepared by Atom Transfer Radical Polymerization. Small, 2007, 3, 1803-1810.	5.2	58
61	Inverse Miniemulsion ATRP:Â A New Method for Synthesis and Functionalization of Well-Defined Water-Soluble/Cross-Linked Polymeric Particles. Journal of the American Chemical Society, 2006, 128, 5578-5584.	6.6	313
62	Rational Selection of Initiating/Catalytic Systems for the Copper-Mediated Atom Transfer Radical Polymerization of Basic Monomers in Protic Media:Â ATRP of 4-Vinylpyridine. Macromolecules, 2006, 39, 6817-6824.	2.2	98
63	Highly Active Copper-Based Catalyst for Atom Transfer Radical Polymerization. Journal of the American Chemical Society, 2006, 128, 16277-16285.	6.6	139
64	Diminishing catalyst concentration in atom transfer radical polymerization with reducing agents. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15309-15314.	3.3	799
65	Catalyst Performance in â€œClickâ€•Coupling Reactions of Polymers Prepared by ATRP:Â Ligand and Metal Effects. Macromolecules, 2006, 39, 6451-6457.	2.2	217
66	Determination of Equilibrium Constants for Atom Transfer Radical Polymerization. Journal of the American Chemical Society, 2006, 128, 1598-1604.	6.6	269
67	Environmentally benign atom transfer radical polymerization: Towards â€œgreenâ€•processes and materials. Journal of Polymer Science Part A, 2006, 44, 5098-5112.	2.5	83
68	Nanoscale structure of SANâ€“PEOâ€“SAN triblock copolymers synthesized by atom transfer radical polymerization. Polymer, 2006, 47, 6673-6683.	1.8	13
69	Copper-based ATRP catalysts of very high activity derived from dimethyl cross-bridged cyclam. Journal of Molecular Catalysis A, 2006, 257, 132-140.	4.8	68
70	Click Functionalization of Well-Defined Copolymers Prepared by Atom Transfer Radical Polymerization. ACS Symposium Series, 2006, , 140-152.	0.5	12
71	Factors Determining the Performance of Copper-Based Atom Transfer Radical Polymerization Catalysts and Criteria for Rational Catalyst Selection. ACS Symposium Series, 2006, , 56-70.	0.5	25
72	Functional Degradable Polymeric Materials Prepared by Atom Transfer Radical Polymerization. ACS Symposium Series, 2006, , 184-200.	0.5	17

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73	Grafting Chromatographic Stationary Phase Substrates by Atom Transfer Radical Polymerization. ACS Symposium Series, 2006, , 252-268.	0.5	17
74	Controlled Synthesis of Polymers with Ionic or Ionizable Groups Using Atom Transfer Radical Polymerization. ACS Symposium Series, 2006, , 79-94.	0.5	12
75	Towards understanding monomer coordination in atom transfer radical polymerization: synthesis of [CuI(PMDETA)(Ï€-M)][BPh4] (M = methyl acrylate, styrene, 1-octene, and methyl methacrylate) and structural studies by FT-IR and 1H NMR spectroscopy and X-ray crystallography. Journal of Organometallic Chemistry, 2005, 690, 916-924.	0.8	67
76	Highly Efficient â€œClickâ€•Functionalization of Poly(3-azidopropyl methacrylate) Prepared by ATRP. Macromolecules, 2005, 38, 7540-7545.	2.2	438
77	Synthesis of Degradable Miktoarm Star Copolymers via Atom Transfer Radical Polymerization. Macromolecules, 2005, 38, 5995-6004.	2.2	174
78	Quantifying Vinyl Monomer Coordination to Culin Solution and the Effect of Coordination on Monomer Reactivity in Radical Copolymerization. Macromolecules, 2005, 38, 4081-4088.	2.2	50
79	Step-Growth â€œClickâ€•Coupling of Telechelic Polymers Prepared by Atom Transfer Radical Polymerization. Macromolecules, 2005, 38, 3558-3561.	2.2	427
80	Combining Atom Transfer Radical Polymerization and Disulfide/Thiol Redox Chemistry:Â A Route to Well-Defined (Bio)degradable Polymeric Materials. Macromolecules, 2005, 38, 3087-3092.	2.2	228
81	Well-Defined (Co)polymers with 5-Vinyltetrazole Units via Combination of Atom Transfer Radical (Co)polymerization of Acrylonitrile and â€œClick Chemistryâ€•Type Postpolymerization Modification. Macromolecules, 2004, 37, 9308-9313.	2.2	158
82	Deactivation Efficiency and Degree of Control over Polymerization in ATRP in Protic Solvents. Macromolecules, 2004, 37, 9768-9778.	2.2	234
83	Nanostructured Carbon Arrays from Block Copolymers of Polyacrylonitrile. Journal of the American Chemical Society, 2002, 124, 10632-10633.	6.6	249
84	Synthesis of Styreneâ^'Acrylonitrile Copolymers and Related Block Copolymers by Atom Transfer Radical Polymerization. Macromolecules, 2002, 35, 6142-6148.	2.2	121
85	Reversible Redox Cleavage/Coupling of Polystyrene with Disulfide or Thiol Groups Prepared by Atom Transfer Radical Polymerization. Macromolecules, 2002, 35, 9009-9014.	2.2	251
86	Atom transfer radical polymerization of n-butyl methacrylate in an aqueous dispersed system: A miniemulsion approach. Journal of Polymer Science Part A, 2000, 38, 4724-4734.	2.5	104
87	The Onium Compounds. Journal of Chemical Education, 1997, 74, 734.	1.1	6
88	Hypervalent <scp>Iodineâ€Based</scp> Initiators and Efficient Chain Transfer Agents for the Synthesis of Branched Polymers from Crosslinkers. Polymer International, 0, , .	1.6	1