

Scott G Gaynor

List of Publications by Year in descending order

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44
papers

6,786
citations

101496
36
h-index

265120
42
g-index

44
all docs

44
docs citations

44
times ranked

3529
citing authors

#	ARTICLE	IF	CITATIONS
1	The Synthesis of Densely Grafted Copolymers by Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 1998, 31, 9413-9415.	2.2	531
2	Synthesis of Branched and Hyperbranched Polystyrenes. <i>Macromolecules</i> , 1996, 29, 1079-1081.	2.2	471
3	Controlled/"Living" Radical Polymerization. Atom Transfer Radical Polymerization of Acrylates at Ambient Temperature. <i>Macromolecules</i> , 1998, 31, 5958-5959.	2.2	367
4	Optimization of Atom Transfer Radical Polymerization Using Cu(I)/Tris(2-(dimethylamino)ethyl)amine as a Catalyst. <i>Macromolecules</i> , 2000, 33, 8629-8639.	2.2	363
5	Preparation of Hyperbranched Polyacrylates by Atom Transfer Radical Polymerization. 1. Acrylic AB* Monomers in "Living" Radical Polymerizations. <i>Macromolecules</i> , 1997, 30, 5192-5194.	2.2	328
6	Controlled Radical Polymerizations: The Use of Alkyl Iodides in Degenerative Transfer. <i>Macromolecules</i> , 1995, 28, 2093-2095.	2.2	311
7	Zerovalent Metals in Controlled/"Living" Radical Polymerization. <i>Macromolecules</i> , 1997, 30, 7348-7350.	2.2	301
8	Atom Transfer Radical Polymerization of 2-Hydroxyethyl Methacrylate. <i>Macromolecules</i> , 1999, 32, 5772-5776.	2.2	279
9	Controlled Radical Polymerization by Degenerative Transfer: Effect of the Structure of the Transfer Agent. <i>Macromolecules</i> , 1995, 28, 8051-8056.	2.2	234
10	Simple and Efficient Synthesis of Various Alkoxyamines for Stable Free Radical Polymerization. <i>Macromolecules</i> , 1998, 31, 5955-5957.	2.2	221
11	Synthesis of Well-Defined Polyacrylonitrile by Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 1997, 30, 6398-6400.	2.2	215
12	Atom Transfer Radical Polymerization in Supercritical Carbon Dioxide. <i>Macromolecules</i> , 1999, 32, 4802-4805.	2.2	204
13	Preparation of Hyperbranched Polyacrylates by Atom Transfer Radical Polymerization. 2. Kinetics and Mechanism of Chain Growth for the Self-Condensing Vinyl Polymerization of 2-((2-Bromopropionyl)oxy)ethyl Acrylate. <i>Macromolecules</i> , 1997, 30, 7034-7041.	2.2	189
14	Synthesis of well-defined azido and amino end-functionalized polystyrene by atom transfer radical polymerization. <i>Macromolecular Rapid Communications</i> , 1997, 18, 1057-1066.	2.0	173
15	Emulsion Polymerization of n-Butyl Methacrylate by Reverse Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 1999, 32, 2872-2875.	2.2	172
16	Halide Anions as Ligands in Iron-Mediated Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2000, 33, 2335-2339.	2.2	167
17	Preparation of Hyperbranched Polyacrylates by Atom Transfer Radical Polymerization. 3. Effect of Reaction Conditions on the Self-Condensing Vinyl Polymerization of 2-((2-Bromopropionyl)oxy)ethyl Acrylate. <i>Macromolecules</i> , 1997, 30, 7042-7049.	2.2	165
18	Controlled/"Living" Radical Polymerization Applied to Water-Borne Systems. <i>Macromolecules</i> , 1998, 31, 5951-5954.	2.2	159

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19	Synthesis of Amphiphilic Block Copolymers by Atom Transfer Radical Polymerization (ATRP). <i>Macromolecules</i> , 1998, 31, 6046-6052.	2.2	153
20	Simple and effective one-pot synthesis of (meth)acrylic block copolymers through atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , 2000, 38, 2023-2031.	2.5	145
21	Step-Growth Polymers as Macroinitiators for α -Living Radical Polymerization: Synthesis of ABA Block Copolymers. <i>Macromolecules</i> , 1997, 30, 4241-4243.	2.2	143
22	Chain Transfer to Polymer and Branching in Controlled Radical Polymerizations of <i>n</i> -Butyl Acrylate. <i>Macromolecular Rapid Communications</i> , 2009, 30, 2002-2021.	2.0	136
23	Removal of Copper-Based Catalyst in Atom Transfer Radical Polymerization Using Ion Exchange Resins. <i>Macromolecules</i> , 2000, 33, 1476-1478.	2.2	134
24	Controlled Radical Polymerization in the Presence of Oxygen. <i>Macromolecules</i> , 1998, 31, 5967-5969.	2.2	132
25	?Living? and controlled radical polymerization. <i>Journal of Physical Organic Chemistry</i> , 1995, 8, 306-315.	0.9	126
26	Synthesis and characterization of graft copolymers of poly(vinyl chloride) with styrene and (meth)acrylates by atom transfer radical polymerization. <i>Macromolecular Rapid Communications</i> , 1998, 19, 47-52.	2.0	120
27	Hydrogels by atom transfer radical polymerization. I. Poly(N-vinylpyrrolidinone-g-styrene) via the macromonomer method. <i>Journal of Polymer Science Part A</i> , 1998, 36, 823-830.	2.5	119
28	Preparation of hyperbranched polyacrylates by atom transfer radical polymerization, 4. The use of zero-valent copper. <i>Macromolecular Rapid Communications</i> , 1998, 19, 665-670.	2.0	113
29	Functionalization of polymers prepared by ATRP using radical addition reactions. <i>Macromolecular Rapid Communications</i> , 2000, 21, 103-109.	2.0	108
30	Mechanistic Aspect of Reverse Atom Transfer Radical Polymerization of <i>n</i> -Butyl Methacrylate in Aqueous Dispersed System. <i>Macromolecules</i> , 2000, 33, 7310-7320.	2.2	104
31	Controlled Radical Polymerization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1994, 31, 1561-1578.	1.2	57
32	Controlled α -Living Radical Polymerization Applied to Water-Borne Systems. <i>Macromolecular Symposia</i> , 2000, 155, 15-29.	0.4	47
33	Water-Borne Block and Statistical Copolymers Synthesized Using Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2000, 33, 2296-2298.	2.2	47
34	Atom transfer radical polymerization of styrene catalyzed by copper carboxylate complexes. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 2289-2292.	1.1	40
35	Synthesis of Functional Polymers by Atom Transfer Radical Polymerization. <i>ACS Symposium Series</i> , 1998, , 16-27.	0.5	39
36	Synthesis of well defined polymers by controlled radical polymerization. <i>Macromolecular Symposia</i> , 1995, 98, 73-89.	0.4	38

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37	How to Make Polymer Chains of Various Shapes, Compositions, and Functionalities by Atom Transfer Radical Polymerization. ACS Symposium Series, 1998, , 396-417.	0.5	37
38	Vinyl Chloride as a Chain Transfer Agent in Olefin Polymerizations: Preparation of Highly Branched and End Functional Polyolefins. Macromolecules, 2003, 36, 4692-4698.	2.2	32
39	Unimolecular and bimolecular exchange reactions in controlled radical polymerization. Macromolecular Symposia, 1995, 95, 217-231.	0.4	24
40	FREE RADICAL POLYMERIZATION. , 2000, , 929-977.		20
41	Functionalized Polymers by Atom Transfer Radical Polymerization. ACS Symposium Series, 2000, , 347-360.	0.5	11
42	Novel segmented copolymers by combination of controlled ionic and radical polymerizations. Macromolecular Symposia, 2000, 157, 183-192.	0.4	6
43	Using Atom Transfer Radical Polymerization in Environmentally Benign Processes. ACS Symposium Series, 2002, , 113-126.	0.5	3
44	Functionalization of polymers prepared by ATRP using radical addition reactions. , 2000, 21, 103.		2