John Chiefari

List of Publications by Citations

44 papers	8,074 citations	23 h-index	49 g-index
49 ext. papers	8,439 ext. citations	4.1 avg, IF	4.89 L-index

#	Paper	IF	Citations
44	Living Free-Radical Polymerization by Reversible Addition−Fragmentation Chain Transfer: The RAFT Process. *Macromolecules*, **1998**, 31, 5559-5562	5.5	4221
43	Living free radical polymerization with reversible addition fragmentation chain transfer (the life of RAFT). *Polymer International*, **2000**, 49, 993-1001	3.3	740
42	Thiocarbonylthio Compounds (SC(Z)SR) in Free Radical Polymerization with Reversible Addition-Fragmentation Chain Transfer (RAFT Polymerization). Effect of the Activating Group Z. *Macromolecules*, **2003**, 36, 2273-2283	5.5	558
41	Living Radical Polymerization with Reversible Addition−Fragmentation Chain Transfer (RAFT Polymerization) Using Dithiocarbamates as Chain Transfer Agents. *Macromolecules*, **1999**, 32, 6977-6980	5.5	480
40	Living Polymers by the Use of Trithiocarbonates as Reversible Addition−Fragmentation Chain Transfer (RAFT) Agents: ABA Triblock Copolymers by Radical Polymerization in Two Steps. *Macromolecules*, **2000**, 33, 243-245	5.5	417
39	Universal (switchable) RAFT agents. *Journal of the American Chemical Society*, **2009**, 131, 6914-5	16.4	256
38	Synthesis of Defined Polymers by Reversible Addition−Fragmentation Chain Transfer: The RAFT Process. *ACS Symposium Series*, **2000**, 278-296	0.4	153
37	Chain Transfer to Polymer: A Convenient Route to Macromonomers. *Macromolecules*, **1999**, 32, 7700-7702	5.5	149
36	Tailored polymers by free radical processes. *Macromolecular Symposia*, **1999**, 143, 291-307	0.8	126
35	Thermo-Induced Self-Assembly of Responsive Poly(DMAEMA-b-DEGMA) Block Copolymers into Multi- and Unilamellar Vesicles. *Macromolecules*, **2012**, 45, 9292-9302	5.5	123
34	Controlled RAFT Polymerization in a Continuous Flow Microreactor. *Organic Process Research and Development*, **2011**, 15, 593-601	3.9	114
33	Models for the Pigment Organization in the Chlorosomes of Photosynthetic Bacteria: Diastereoselective Control of in-vitro Bacteriochlorophyll cs Aggregation. *The Journal of Physical Chemistry*, **1995**, 99, 1357-1365		105
32	Tailored polymer architectures by reversible addition-frasmentation chain transfer. *Macromolecular Symposia*, **2001**, 174, 209-212	0.8	75
31	Initiating free radical polymerization. *Macromolecular Symposia*, **2002**, 182, 65-80	0.8	67
30	Acid−Amide Intermolecular Hydrogen Bonding. *Journal of the American Chemical Society*, **1997**, 119, 3802-3806	13.4	64
29	Enhancement of MHC-I antigen presentation via architectural control of pH-responsive, endosomolytic polymer nanoparticles. *AAPS Journal*, **2015**, 17, 358-69	3.7	44
28	Automated parallel freeze-evacuate-thaw degassing method for oxygen-sensitive reactions: RAFT polymerization. *ACS Combinatorial Science*, **2012**, 14, 389-94	3.9	42

27	Quasi-block copolymer libraries on demand via sequential RAFT polymerization in an automated parallel synthesizer. *Polymer Chemistry*, **2013**, 4, 1857	4.9	41
26	Synthesis of RAFT Block Copolymers in a Multi-Stage Continuous Flow Process Inside a Tubular Reactor. *Australian Journal of Chemistry*, **2013**, 66, 192	1.2	35
25	A Continuous Flow Process for the Radical Induced End Group Removal of RAFT Polymers. *Macromolecular Reaction Engineering*, **2012**, 6, 246-251	1.5	30
24	Continuous Flow Aminolysis of RAFT Polymers Using Multistep Processing and Inline Analysis. *Macromolecules*, **2014**, 47, 8203-8213	5.5	28
23	Binary Copolymerization with Catalytic Chain Transfer. A Method for Synthesizing Macromonomers Based on Monosubstituted Monomers. *Macromolecules*, **2005**, 38, 9037-9054	5.5	25
22	Sequential flow process for the controlled polymerisation and thermolysis of RAFT-synthesised polymers. *Polymer*, **2014**, 55, 1427-1435	3.9	24
21	Water as Solvent in Polyimide Synthesis: Thermoset and Thermoplastic Examples. *High Performance Polymers*, **2003**, 15, 269-279	1.6	23
20	Block Copolymer Synthesis through the Use of Switchable RAFT Agents. *ACS Symposium Series*, **2011**, 81-102	0.4	22
19	Water as Solvent in Polyimide Synthesis II: Processable Aromatic Polyimides. *High Performance Polymers*, **2006**, 18, 31-44	1.6	16
18	Preparation of Forced Gradient Copolymers Using Tube-in-Tube Continuous Flow Reactors. *Macromolecular Reaction Engineering*, **2017**, 11, 1600065	1.5	14
17	Enabling High Lithium Conductivity in Polymerized Ionic Liquid Block Copolymer Electrolytes. *Batteries and Supercaps*, **2019**, 2, 132-138	5.6	14
16	Some Recent Developments in RAFT Polymerization. *ACS Symposium Series*, **2012**, 243-258	0.4	9
15	Water as Solvent in Polyimide Synthesis III: Towards the Synthesis of Polyamideimides. *High Performance Polymers*, **2006**, 18, 437-451	1.6	9
14	Polymerized Ionic Liquid Block Copolymer Electrolytes for All-Solid-State Lithium-Metal Batteries. *Journal of the Electrochemical Society*, **2020**, 167, 070525	3.9	7
13	Decarboxylation of phthalidecarboxylic acids in the presence of imines - a facile route to isoindolo[1,2-b][3]benzazepin-5-ones and phthalideisoquinolines. *Tetrahedron Letters*, **1986**, 27, 6119-6122	2	7
12	Effective macrophage delivery using RAFT copolymer derived nanoparticles. *Polymer Chemistry*, **2018**, 9, 131-137	4.9	7
11	Fully synthetic injectable depots with high drug content and tunable pharmacokinetics for long-acting drug delivery. *Journal of Controlled Release*, **2021**, 329, 257-269	11.7	6
10	Controlled Synthesis of Multifunctional Polymers by RAFT for Personal Care Applications. *ACS Symposium Series*, **2013**, 157-172	0.4	4

9	Synthesis and conformation of a bilirubin analog with propionic acid side chains extended to undecanoic acid. *Tetrahedron*, **1992**, 48, 5969-5984	2.4	4
8	Water as solvent in polyimide synthesis **2005**, 3-13		3
7	Development and Progression of Polymer Electrolytes for Batteries: Influence of Structure and Chemistry. *Polymers*, **2021**, 13,	4.5	3
6	Models for the Pigment Organization in the Chlorosomes of Photosynthetic Bacteria: Diastereoselective Control of in-Vitro Bacteriochlorophyll cs Aggregation. [Erratum to document cited in CA122:76986]. *The Journal of Physical Chemistry*, **1995**, 99, 16194-16194		2
5	Mobile hydrogen reformers as a novel approach to decarbonise the transport sector. *Current Opinion in Chemical Engineering*, **2021**, 34, 100756	5.4	1
4	Glycosylated Nanoparticles Derived from RAFT Polymerization for Effective Drug Delivery to Macrophages.. *ACS Applied Bio Materials*, **2020**, 3, 5775-5786	4.1	1
3	Poly(HPMA-co-NIPAM) copolymer as an alternative to polyethylene glycol-based pharmacokinetic modulation of therapeutic proteins. *International Journal of Pharmaceutics*, **2021**, 608, 121075	6.5	0
2	Protecting keratin fiber with water soluble N-substituted maleimides in high temperature processes. *Fibers and Polymers*, **2014**, 15, 2247-2252	2	
1	Arming Immune Cell Therapeutics with Polymeric Prodrugs. *Advanced Healthcare Materials*, **2021**, e2101944	10.1	