Almar Postma

List of Publications by Citations

85 papers	7,851 citations	36 h-index	87 g-index
87 ext. papers	8,349 ext. citations	6.6 avg, IF	5.67 L-index

#	Paper	IF	Citations
85	Living free radical polymerization with reversible addition–fragmentation chain transfer (the life of RAFT). *Polymer International*, **2000**, 49, 993-1001	3.3	740
84	Thiocarbonylthio Compounds [SC(Ph)SR] in Free Radical Polymerization with Reversible Addition-Fragmentation Chain Transfer (RAFT Polymerization). Role of the Free-Radical Leaving Group (R). *Macromolecules*, **2003**, 36, 2256-2272	5.5	713
83	Advances in RAFT polymerization: the synthesis of polymers with defined end-groups. *Polymer*, **2005**, 46, 8458-8468	3.9	661
82	Polydopamine--a nature-inspired polymer coating for biomedical science. *Nanoscale*, **2011**, 3, 4916-28	7.7	651
81	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
80	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
79	Self-Polymerization of Dopamine as a Versatile and Robust Technique to Prepare Polymer Capsules. *Chemistry of Materials*, **2009**, 21, 3042-3044	9.6	404
78	Immobilization and intracellular delivery of an anticancer drug using mussel-inspired polydopamine capsules. *Biomacromolecules*, **2012**, 13, 2225-8	6.9	265
77	Monodisperse Polymer Capsules: Tailoring Size, Shell Thickness, and Hydrophobic Cargo Loading via Emulsion Templating. *Advanced Functional Materials*, **2010**, 20, 1625-1631	15.6	251
76	A microreactor with thousands of subcompartments: enzyme-loaded liposomes within polymer capsules. *Angewandte Chemie - International Edition*, **2009**, 48, 4359-62	16.4	187
75	Ultrathin, responsive polymer click capsules. *Nano Letters*, **2007**, 7, 1706-10	11.5	185
74	RAFT Polymerization with Phthalimidomethyl Trithiocarbonates or Xanthates. On the Origin of Bimodal Molecular Weight Distributions in Living Radical Polymerization. *Macromolecules*, **2006**, 39, 5307-5318	5.5	178
73	Synthesis of Well-Defined Polystyrene with Primary Amine End Groups through the Use of Phthalimido-Functional RAFT Agents. *Macromolecules*, **2006**, 39, 5293-5306	5.5	144
72	Functional polymers for optoelectronic applications by RAFT polymerization. *Polymer Chemistry*, **2011**, 2, 492-519	4.9	140
71	Thermolysis of RAFT-Synthesized Polymers. A Convenient Method for Trithiocarbonate Group Elimination. *Macromolecules*, **2005**, 38, 5371-5374	5.5	130
70	Dopamine-Mediated Continuous Assembly of Biodegradable Capsules. *Chemistry of Materials*, **2011**, 23, 3141-3143	9.6	113
69	Microfluidic polymer multilayer adsorption on liquid crystal droplets for microcapsule synthesis. *Lab on A Chip*, **2008**, 8, 2182-7	7.2	101

68	Assembly and functionalization of DNA-polymer microcapsules. *ACS Nano*, **2009**, 3, 234-40	16.7	98
67	Cholesterol-mediated anchoring of enzyme-loaded liposomes within disulfide-stabilized polymer carrier capsules. *Biomaterials*, **2009**, 30, 5988-98	15.6	96
66	Cholesterol--a biological compound as a building block in bionanotechnology. *Nanoscale*, **2013**, 5, 89-109	7.7	87
65	Poly(vinylpyrrolidone) for bioconjugation and surface ligand immobilization. *Biomacromolecules*, **2007**, 8, 2950-3	6.9	87
64	Surface modification of electrospun fibres for biomedical applications: A focus on radical polymerization methods. *Biomaterials*, **2016**, 106, 24-45	15.6	85
63	Photoinitiated alkyne-azide click and radical cross-linking reactions for the patterning of PEG hydrogels. *Biomacromolecules*, **2012**, 13, 889-95	6.9	82
62	Capsosomes with "free-floating" liposomal subcompartments. *Advanced Materials*, **2011**, 23, 4082-7	24	78
61	Antimicrobial Polymethacrylates Synthesized as Mimics of Tryptophan-Rich Cationic Peptides.. *ACS Macro Letters*, **2014**, 3, 319-323	6.6	76
60	Macromolecule functionalization of disulfide-bonded polymer hydrogel capsules and cancer cell targeting. *ACS Nano*, **2012**, 6, 1463-72	16.7	70
59	Initiating free radical polymerization. *Macromolecular Symposia*, **2002**, 182, 65-80	0.8	67
58	RAFT-derived antimicrobial polymethacrylates: elucidating the impact of end-groups on activity and cytotoxicity. *Polymer Chemistry*, **2014**, 5, 5813-5822	4.9	58
57	Noncovalent liposome linkage and miniaturization of capsosomes for drug delivery. *Biomacromolecules*, **2010**, 11, 3548-55	6.9	58
56	Fabrication of asymmetric "Janus" particles via plasma polymerization. *Chemical Communications*, **2010**, 46, 5121-3	5.8	47
55	Enhancement of MHC-I antigen presentation via architectural control of pH-responsive, endosomolytic polymer nanoparticles. *AAPS Journal*, **2015**, 17, 358-69	3.7	44
54	Surface "click" chemistry on brominated plasma polymer thin films. *Langmuir*, **2010**, 26, 3388-93	4	44
53	Chain Transfer Activity of Unsaturated Methacrylic Oligomers in Polymerizations of Methacrylic Monomers. *Macromolecules*, **2004**, 37, 4441-4452	5.5	40
52	Poly(vinyl alcohol) physical hydrogels: noncryogenic stabilization allows nano- and microscale materials design. *Langmuir*, **2011**, 27, 10216-23	4	39
51	A simple method for determining protic end-groups of synthetic polymers by 1H NMR spectroscopy. *Polymer*, **2006**, 47, 1899-1911	3.9	39

50	Myoblast cell interaction with polydopamine coated liposomes. *Biointerphases*, **2012**, 7, 8	1.8	38
49	Layer-by-layer polymer coating on discrete particles of cubic lyotropic liquid crystalline dispersions (cubosomes). *Langmuir*, **2013**, 29, 12891-900	4	36
48	Surface-adhered composite poly(vinyl alcohol) physical hydrogels: polymersome-aided delivery of therapeutic small molecules. *Advanced Healthcare Materials*, **2012**, 1, 791-5	10.1	34
47	Approaches to phthalimido and amino end-functional polystyrene by atom transfer radical polymerisation (ATRP). *Reactive and Functional Polymers*, **2006**, 66, 137-147	4.6	34
46	Novel RAFT amphiphilic brush copolymer steric stabilisers for cubosomes: poly(octadecyl acrylate)-block-poly(polyethylene glycol methyl ether acrylate). *Soft Matter*, **2014**, 10, 6666-76	3.6	33
45	Highly-branched poly(N-isopropylacrylamide) as a component in poly(dopamine) films. *Journal of Physical Chemistry B*, **2013**, 117, 10504-12	3.4	33
44	Macromolecular design of poly(vinyl alcohol) by RAFT polymerization. *Polymer Chemistry*, **2012**, 3, 85-88	4.9	33
43	Light-Induced RAFT Single Unit Monomer Insertion in Aqueous Solution-Toward Sequence-Controlled Polymers. *Macromolecular Rapid Communications*, **2018**, 39, e1800240	4.8	31
42	A Continuous Flow Process for the Radical Induced End Group Removal of RAFT Polymers. *Macromolecular Reaction Engineering*, **2012**, 6, 246-251	1.5	30
41	Continuous Flow Aminolysis of RAFT Polymers Using Multistep Processing and Inline Analysis. *Macromolecules*, **2014**, 47, 8203-8213	5.5	28
40	A Comprehensive Platform for the Design and Synthesis of Polymer Molecular Weight Distributions. *Macromolecules*, **2020**, 53, 8867-8882	5.5	28
39	Binary Copolymerization with Catalytic Chain Transfer. A Method for Synthesizing Macromonomers Based on Monosubstituted Monomers. *Macromolecules*, **2005**, 38, 9037-9054	5.5	25
38	Sequential flow process for the controlled polymerisation and thermolysis of RAFT-synthesised polymers. *Polymer*, **2014**, 55, 1427-1435	3.9	24
37	Macromolecular prodrugs of ribavirin: towards a treatment for co-infection with HIV and HCV. *Chemical Science*, **2015**, 6, 264-269	9.4	23
36	New insights into the substrate-plasma polymer interface. *Journal of Physical Chemistry B*, **2011**, 115, 6495-502	3.4	23
35	Electrochemical Behavior of Thiocarbonylthio Chain Transfer Agents for RAFT Polymerization. *ACS Macro Letters*, **2019**, 8, 1316-1322	6.6	22
34	Macromolecular prodrugs of ribavirin: concerted efforts of the carrier and the drug. *Advanced Healthcare Materials*, **2014**, 3, 1404-7	10.1	21
33	A Multidisciplinary Approach to the Use of Pyridinyl Dithioesters and Their N-Oxides as CTAs in the RAFT Polymerization of Styrene. Not the Chronicle of a Failure Foretold. *Macromolecules*, **2005**, 38, 7610-7618	5.5	21

32	Experimental evaluation of RAFT-based Poly(N-isopropylacrylamide) (PNIPAM) kinetic hydrate inhibitors. *Fuel*, **2019**, 235, 1266-1274	7.1	20
31	RAFT preparation and the aqueous self-assembly of amphiphilic poly(octadecyl acrylate)- block -poly(polyethylene glycol methyl ether acrylate) copolymers. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2015**, 470, 60-69	5.1	19
30	An ultrafast insulin formulation enabled by high-throughput screening of engineered polymeric excipients. *Science Translational Medicine*, **2020**, 12,	17.5	18
29	Elements of RAFT Navigation. *ACS Symposium Series*, **2018**, 77-103	0.4	18
28	Triple Activity of Lamivudine Releasing Sulfonated Polymers against HIV-1. *Molecular Pharmaceutics*, **2016**, 13, 2397-410	5.6	17
27	Polymers fight HIV: potent (pro)drugs identified through parallel automated synthesis. *Advanced Healthcare Materials*, **2015**, 4, 46-50	10.1	17
26	Synthesis of zwitterionic, hydrophobic, and amphiphilic polymers via RAFT polymerization induced self-assembly (PISA) in acetic acid. *Polymer Chemistry*, **2016**, 7, 6133-6143	4.9	16
25	Lipid Nanodiscs via Ordered Copolymers. *CheM*, **2020**, 6, 2782-2795	16.2	15
24	Combination anti-HIV therapy via tandem release of prodrugs from macromolecular carriers. *Polymer Chemistry*, **2016**, 7, 7477-7487	4.9	13
23	Selective and Rapid Light-Induced RAFT Single Unit Monomer Insertion in Aqueous Solution. *Macromolecular Rapid Communications*, **2020**, 41, e1900478	4.8	12
22	An ESR Approach to the Estimation of the Rate Constants of the Addition and Fragmentation Processes Involved in the RAFT Polymerization of Styrene. *Helvetica Chimica Acta*, **2006**, 89, 2103-2118	2	10
21	Kinetics and mechanism for thermal and photochemical decomposition of 4,4?-azobis(4-cyanopentanoic acid) in aqueous media. *Polymer Chemistry*, **2019**, 10, 3284-3287	4.9	9
20	Engineering the Biointerface of Electrospun 3D Scaffolds with Functionalized Polymer Brushes for Enhanced Cell Binding. *Biomacromolecules*, **2019**, 20, 813-825	6.9	9
19	Radiant star nanoparticle prodrugs for the treatment of intracellular alveolar infections. *Polymer Chemistry*, **2018**, 9, 2134-2146	4.9	8
18	Multi-responsive (diethylene glycol)methyl ether methacrylate (DEGMA)-based copolymer systems. *RSC Advances*, **2016**, 6, 90923-90933	3.7	8
17	Anthraquinone-Mediated Reduction of a Trithiocarbonate Chain-Transfer Agent to Initiate Electrochemical Reversible Addition–Fragmentation Chain Transfer Polymerization. *Macromolecules*, **2020**, 53, 10315-10322	5.5	8
16	Bacterial membrane permeability of antimicrobial polymethacrylates: Evidence for a complex mechanism from super-resolution fluorescence imaging. *Acta Biomaterialia*, **2020**, 108, 168-177	10.8	7
15	Polymerized Ionic Liquid Block Copolymer Electrolytes for All-Solid-State Lithium-Metal Batteries. *Journal of the Electrochemical Society*, **2020**, 167, 070525	3.9	7

14	Tannic acid and cholesterol□dopamine as building blocks in composite coatings for substrate-mediated drug delivery. *Polymer International*, **2016**, 65, 1306-1314	3.3	7
13	Liposomal Templating, Association with Mammalian Cells, and Cytotoxicity of Poly(vinyl alcohol) Physical Hydrogel Nanoparticles. *Particle and Particle Systems Characterization*, **2013**, 30, 514-522	3.1	6
12	Initiation of RAFT Polymerization: Electrochemically Initiated RAFT Polymerization in Emulsion (Emulsion eRAFT), and Direct PhotoRAFT Polymerization of Liquid Crystalline Monomers. *Australian Journal of Chemistry*, **2021**, 74, 56	1.2	6
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	Temperature-responsive methacrylamide polyampholytes. *RSC Advances*, **2017**, 7, 31033-31041	3.7	5
9	Printability and bio-functionality of a shear thinning methacrylated xanthan - gelatin composite bioink. *Biofabrication*, **2021**,	10.5	5
8	Liposomal drug deposits in poly(dopamine) coatings: effect of their composition, cell type, uptake pathway considerations, and shear stress. *Macromolecular Bioscience*, **2014**, 14, 1677-87	5.5	4
7	Optimisation of grafting of low fouling polymers from three-dimensional scaffolds via surface-initiated Cu(0) mediated polymerisation. *Journal of Materials Chemistry B*, **2018**, 6, 5896-5909	7.3	4
6	RAFT synthesis of thioether-based, AB diblock copolymer nanocarriers for reactive oxygen species□triggered release. *Materials Today Chemistry*, **2021**, 20, 100444	6.2	3
5	Synthesis of RAFT polymers as bivalent inhibitors of cholera toxin. *RSC Advances*, **2014**, 4, 14868-14871	3.7	2
4	Thermally cross-linkable copolymer and its evaluation as a hole transport layer in organic light-emitting diode devices. *Journal of the Society for Information Display*, **2013**, 21, 151-158	2.1	2
3	Drug Delivery: Surface-Adhered Composite Poly(Vinyl Alcohol) Physical Hydrogels: Polymersome-Aided Delivery of Therapeutic Small Molecules (Adv. Healthcare Mater. 6/2012). *Advanced Healthcare Materials*, **2012**, 1, 790-790	10.1	2
2	Drug Delivery: Macromolecular Prodrugs of Ribavirin: Concerted Efforts of the Carrier and the Drug (Adv. Healthcare Mater. 9/2014). *Advanced Healthcare Materials*, **2014**, 3, 1520-1520	10.1	1
1	Solution Processable Phosphorescent Red Luminescent Polymer for OLED Devices. *Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers*, **2012**, 66, J370-J376	0	