

Almar Postma

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Printability and bio-functionality of a shear thinning methacrylated xanthan - gelatin composite bioink. <i>Biofabrication</i> , 2021 ,	10.5	5
84	RAFT synthesis of thioether-based, AB diblock copolymer nanocarriers for reactive oxygen species triggered release. <i>Materials Today Chemistry</i> , 2021 , 20, 100444	6.2	3
83	Initiation of RAFT Polymerization: Electrochemically Initiated RAFT Polymerization in Emulsion (Emulsion eRAFT), and Direct PhotoRAFT Polymerization of Liquid Crystalline Monomers. <i>Australian Journal of Chemistry</i> , 2021 , 74, 56	1.2	6
82	Fully synthetic injectable depots with high drug content and tunable pharmacokinetics for long-acting drug delivery. <i>Journal of Controlled Release</i> , 2021 , 329, 257-269	11.7	6
81	Bacterial membrane permeability of antimicrobial polymethacrylates: Evidence for a complex mechanism from super-resolution fluorescence imaging. <i>Acta Biomaterialia</i> , 2020 , 108, 168-177	10.8	7
80	Polymerized Ionic Liquid Block Copolymer Electrolytes for All-Solid-State Lithium-Metal Batteries. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 070525	3.9	7
79	An ultrafast insulin formulation enabled by high-throughput screening of engineered polymeric excipients. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	18
78	Selective and Rapid Light-Induced RAFT Single Unit Monomer Insertion in Aqueous Solution. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e1900478	4.8	12
77	A Comprehensive Platform for the Design and Synthesis of Polymer Molecular Weight Distributions. <i>Macromolecules</i> , 2020 , 53, 8867-8882	5.5	28
76	Anthraquinone-Mediated Reduction of a Trithiocarbonate Chain-Transfer Agent to Initiate Electrochemical Reversible Addition Fragmentation Chain Transfer Polymerization. <i>Macromolecules</i> , 2020 , 53, 10315-10322	5.5	8
75	Lipid Nanodiscs via Ordered Copolymers. <i>Chem</i> , 2020 , 6, 2782-2795	16.2	15
74	Electrochemical Behavior of Thiocarbonylthio Chain Transfer Agents for RAFT Polymerization. <i>ACS Macro Letters</i> , 2019 , 8, 1316-1322	6.6	22
73	Kinetics and mechanism for thermal and photochemical decomposition of 4,4'-azobis(4-cyanopentanoic acid) in aqueous media. <i>Polymer Chemistry</i> , 2019 , 10, 3284-3287	4.9	9
72	Experimental evaluation of RAFT-based Poly(N-isopropylacrylamide) (PNIPAM) kinetic hydrate inhibitors. <i>Fuel</i> , 2019 , 235, 1266-1274	7.1	20
71	Engineering the Biointerface of Electrospun 3D Scaffolds with Functionalized Polymer Brushes for Enhanced Cell Binding. <i>Biomacromolecules</i> , 2019 , 20, 813-825	6.9	9
70	Radiant star nanoparticle prodrugs for the treatment of intracellular alveolar infections. <i>Polymer Chemistry</i> , 2018 , 9, 2134-2146	4.9	8
69	Elements of RAFT Navigation. <i>ACS Symposium Series</i> , 2018 , 77-103	0.4	18

68	Light-Induced RAFT Single Unit Monomer Insertion in Aqueous Solution-Toward Sequence-Controlled Polymers. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1800240	4.8	31
67	Optimisation of grafting of low fouling polymers from three-dimensional scaffolds via surface-initiated Cu(0) mediated polymerisation. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 5896-5909	7.3	4
66	Temperature-responsive methacrylamide polyampholytes. <i>RSC Advances</i> , 2017 , 7, 31033-31041	3.7	5
65	Combination anti-HIV therapy via tandem release of prodrugs from macromolecular carriers. <i>Polymer Chemistry</i> , 2016 , 7, 7477-7487	4.9	13
64	Synthesis of zwitterionic, hydrophobic, and amphiphilic polymers via RAFT polymerization induced self-assembly (PISA) in acetic acid. <i>Polymer Chemistry</i> , 2016 , 7, 6133-6143	4.9	16
63	Multi-responsive (diethylene glycol)methyl ether methacrylate (DEGMA)-based copolymer systems. <i>RSC Advances</i> , 2016 , 6, 90923-90933	3.7	8
62	Triple Activity of Lamivudine Releasing Sulfonated Polymers against HIV-1. <i>Molecular Pharmaceutics</i> , 2016 , 13, 2397-410	5.6	17
61	Tannic acid and cholesterol/dopamine as building blocks in composite coatings for substrate-mediated drug delivery. <i>Polymer International</i> , 2016 , 65, 1306-1314	3.3	7
60	Surface modification of electrospun fibres for biomedical applications: A focus on radical polymerization methods. <i>Biomaterials</i> , 2016 , 106, 24-45	15.6	85
59	Macromolecular prodrugs of ribavirin: towards a treatment for co-infection with HIV and HCV. <i>Chemical Science</i> , 2015 , 6, 264-269	9.4	23
58	Polymers fight HIV: potent (pro)drugs identified through parallel automated synthesis. <i>Advanced Healthcare Materials</i> , 2015 , 4, 46-50	10.1	17
57	Enhancement of MHC-I antigen presentation via architectural control of pH-responsive, endosomolytic polymer nanoparticles. <i>AAPS Journal</i> , 2015 , 17, 358-69	3.7	44
56	RAFT preparation and the aqueous self-assembly of amphiphilic poly(octadecyl acrylate)- block -poly(polyethylene glycol methyl ether acrylate) copolymers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 470, 60-69	5.1	19
55	RAFT-derived antimicrobial polymethacrylates: elucidating the impact of end-groups on activity and cytotoxicity. <i>Polymer Chemistry</i> , 2014 , 5, 5813-5822	4.9	58
54	Synthesis of RAFT polymers as bivalent inhibitors of cholera toxin. <i>RSC Advances</i> , 2014 , 4, 14868-14871	3.7	2
53	Antimicrobial Polymethacrylates Synthesized as Mimics of Tryptophan-Rich Cationic Peptides.. <i>ACS Macro Letters</i> , 2014 , 3, 319-323	6.6	76
52	Novel RAFT amphiphilic brush copolymer steric stabilisers for cubosomes: poly(octadecyl acrylate)-block-poly(polyethylene glycol methyl ether acrylate). <i>Soft Matter</i> , 2014 , 10, 6666-76	3.6	33
51	Sequential flow process for the controlled polymerisation and thermolysis of RAFT-synthesised polymers. <i>Polymer</i> , 2014 , 55, 1427-1435	3.9	24

50	Liposomal drug deposits in poly(dopamine) coatings: effect of their composition, cell type, uptake pathway considerations, and shear stress. <i>Macromolecular Bioscience</i> , 2014 , 14, 1677-87	5.5	4
49	Drug Delivery: Macromolecular Prodrugs of Ribavirin: Concerted Efforts of the Carrier and the Drug (Adv. Healthcare Mater. 9/2014). <i>Advanced Healthcare Materials</i> , 2014 , 3, 1520-1520	10.1	1
48	Macromolecular prodrugs of ribavirin: concerted efforts of the carrier and the drug. <i>Advanced Healthcare Materials</i> , 2014 , 3, 1404-7	10.1	21
47	Continuous Flow Aminolysis of RAFT Polymers Using Multistep Processing and Inline Analysis. <i>Macromolecules</i> , 2014 , 47, 8203-8213	5.5	28
46	Layer-by-layer polymer coating on discrete particles of cubic lyotropic liquid crystalline dispersions (cubosomes). <i>Langmuir</i> , 2013 , 29, 12891-900	4	36
45	Highly-branched poly(N-isopropylacrylamide) as a component in poly(dopamine) films. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 10504-12	3.4	33
44	Thermally cross-linkable copolymer and its evaluation as a hole transport layer in organic light-emitting diode devices. <i>Journal of the Society for Information Display</i> , 2013 , 21, 151-158	2.1	2
43	Cholesterol--a biological compound as a building block in bionanotechnology. <i>Nanoscale</i> , 2013 , 5, 89-109	7.7	87
42	Liposomal Templating, Association with Mammalian Cells, and Cytotoxicity of Poly(vinyl alcohol) Physical Hydrogel Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 514-522	3.1	6
41	Myoblast cell interaction with polydopamine coated liposomes. <i>Biointerphases</i> , 2012 , 7, 8	1.8	38
40	Macromolecule functionalization of disulfide-bonded polymer hydrogel capsules and cancer cell targeting. <i>ACS Nano</i> , 2012 , 6, 1463-72	16.7	70
39	Immobilization and intracellular delivery of an anticancer drug using mussel-inspired polydopamine capsules. <i>Biomacromolecules</i> , 2012 , 13, 2225-8	6.9	265
38	Surface-adhered composite poly(vinyl alcohol) physical hydrogels: polymersome-aided delivery of therapeutic small molecules. <i>Advanced Healthcare Materials</i> , 2012 , 1, 791-5	10.1	34
37	Macromolecular design of poly(vinyl alcohol) by RAFT polymerization. <i>Polymer Chemistry</i> , 2012 , 3, 85-88	4.9	33
36	Photoinitiated alkyne-azide click and radical cross-linking reactions for the patterning of PEG hydrogels. <i>Biomacromolecules</i> , 2012 , 13, 889-95	6.9	82
35	A Continuous Flow Process for the Radical Induced End Group Removal of RAFT Polymers. <i>Macromolecular Reaction Engineering</i> , 2012 , 6, 246-251	1.5	30
34	Drug Delivery: Surface-Adhered Composite Poly(Vinyl Alcohol) Physical Hydrogels: Polymersome-Aided Delivery of Therapeutic Small Molecules (Adv. Healthcare Mater. 6/2012). <i>Advanced Healthcare Materials</i> , 2012 , 1, 790-790	10.1	2
33	Solution Processable Phosphorescent Red Luminescent Polymer for OLED Devices. <i>Kyokai Joho Imaji Zasshi/Journal of the Institute of Image Information and Television Engineers</i> , 2012 , 66, J370-J376	0	

32	Poly(vinyl alcohol) physical hydrogels: noncryogenic stabilization allows nano- and microscale materials design. <i>Langmuir</i> , 2011 , 27, 10216-23	4	39
31	Polydopamine--a nature-inspired polymer coating for biomedical science. <i>Nanoscale</i> , 2011 , 3, 4916-28	7.7	651
30	Functional polymers for optoelectronic applications by RAFT polymerization. <i>Polymer Chemistry</i> , 2011 , 2, 492-519	4.9	140
29	Dopamine-Mediated Continuous Assembly of Biodegradable Capsules. <i>Chemistry of Materials</i> , 2011 , 23, 3141-3143	9.6	113
28	Capsosomes with "free-floating" liposomal subcompartments. <i>Advanced Materials</i> , 2011 , 23, 4082-7	24	78
27	New insights into the substrate-plasma polymer interface. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 6495-502	3.4	23
26	Surface "click" chemistry on brominated plasma polymer thin films. <i>Langmuir</i> , 2010 , 26, 3388-93	4	44
25	Noncovalent liposome linkage and miniaturization of capsosomes for drug delivery. <i>Biomacromolecules</i> , 2010 , 11, 3548-55	6.9	58
24	Fabrication of asymmetric "Janus" particles via plasma polymerization. <i>Chemical Communications</i> , 2010 , 46, 5121-3	5.8	47
23	Monodisperse Polymer Capsules: Tailoring Size, Shell Thickness, and Hydrophobic Cargo Loading via Emulsion Templating. <i>Advanced Functional Materials</i> , 2010 , 20, 1625-1631	15.6	251
22	A microreactor with thousands of subcompartments: enzyme-loaded liposomes within polymer capsules. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4359-62	16.4	187
21	Cholesterol-mediated anchoring of enzyme-loaded liposomes within disulfide-stabilized polymer carrier capsules. <i>Biomaterials</i> , 2009 , 30, 5988-98	15.6	96
20	Assembly and functionalization of DNA-polymer microcapsules. <i>ACS Nano</i> , 2009 , 3, 234-40	16.7	98
19	Self-Polymerization of Dopamine as a Versatile and Robust Technique to Prepare Polymer Capsules. <i>Chemistry of Materials</i> , 2009 , 21, 3042-3044	9.6	404
18	Microfluidic polymer multilayer adsorption on liquid crystal droplets for microcapsule synthesis. <i>Lab on A Chip</i> , 2008 , 8, 2182-7	7.2	101
17	Ultrathin, responsive polymer click capsules. <i>Nano Letters</i> , 2007 , 7, 1706-10	11.5	185
16	Poly(vinylpyrrolidone) for bioconjugation and surface ligand immobilization. <i>Biomacromolecules</i> , 2007 , 8, 2950-3	6.9	87
15	A simple method for determining protic end-groups of synthetic polymers by ¹ H NMR spectroscopy. <i>Polymer</i> , 2006 , 47, 1899-1911	3.9	39

14	An ESR Approach to the Estimation of the Rate Constants of the Addition and Fragmentation Processes Involved in the RAFT Polymerization of Styrene. <i>Helvetica Chimica Acta</i> , 2006 , 89, 2103-2118	2	10
13	Synthesis of Well-Defined Polystyrene with Primary Amine End Groups through the Use of Phthalimido-Functional RAFT Agents. <i>Macromolecules</i> , 2006 , 39, 5293-5306	5.5	144
12	RAFT Polymerization with Phthalimidomethyl Trithiocarbonates or Xanthates. On the Origin of Bimodal Molecular Weight Distributions in Living Radical Polymerization. <i>Macromolecules</i> , 2006 , 39, 5307-5318	5.5	178
11	Approaches to phthalimido and amino end-functional polystyrene by atom transfer radical polymerisation (ATRP). <i>Reactive and Functional Polymers</i> , 2006 , 66, 137-147	4.6	34
10	Binary Copolymerization with Catalytic Chain Transfer. A Method for Synthesizing Macromonomers Based on Monosubstituted Monomers. <i>Macromolecules</i> , 2005 , 38, 9037-9054	5.5	25
9	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. <i>Macromolecules</i> , 2005 , 38, 7610-7618	5.5	21
8	Thermolysis of RAFT-Synthesized Polymers. A Convenient Method for Trithiocarbonate Group Elimination. <i>Macromolecules</i> , 2005 , 38, 5371-5374	5.5	130
7	Advances in RAFT polymerization: the synthesis of polymers with defined end-groups. <i>Polymer</i> , 2005 , 46, 8458-8468	3.9	661
6	Chain Transfer Activity of Unsaturated Methacrylic Oligomers in Polymerizations of Methacrylic Monomers. <i>Macromolecules</i> , 2004 , 37, 4441-4452	5.5	40
5	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). <i>Macromolecules</i> , 2003 , 36, 2256-2272	5.5	713
4	Thiocarbonylthio Compounds (SC(Z)SR) in Free Radical Polymerization with Reversible Addition-Fragmentation Chain Transfer (RAFT Polymerization). Effect of the Activating Group Z. <i>Macromolecules</i> , 2003 , 36, 2273-2283	5.5	558
3	Initiating free radical polymerization. <i>Macromolecular Symposia</i> , 2002 , 182, 65-80	0.8	67
2	Living free radical polymerization with reversible addition-fragmentation chain transfer (the life of RAFT). <i>Polymer International</i> , 2000 , 49, 993-1001	3.3	740
1	Living Polymers by the Use of Trithiocarbonates as Reversible Addition-Fragmentation Chain Transfer (RAFT) Agents: ABA Triblock Copolymers by Radical Polymerization in Two Steps. <i>Macromolecules</i> , 2000 , 33, 243-245	5.5	417